

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

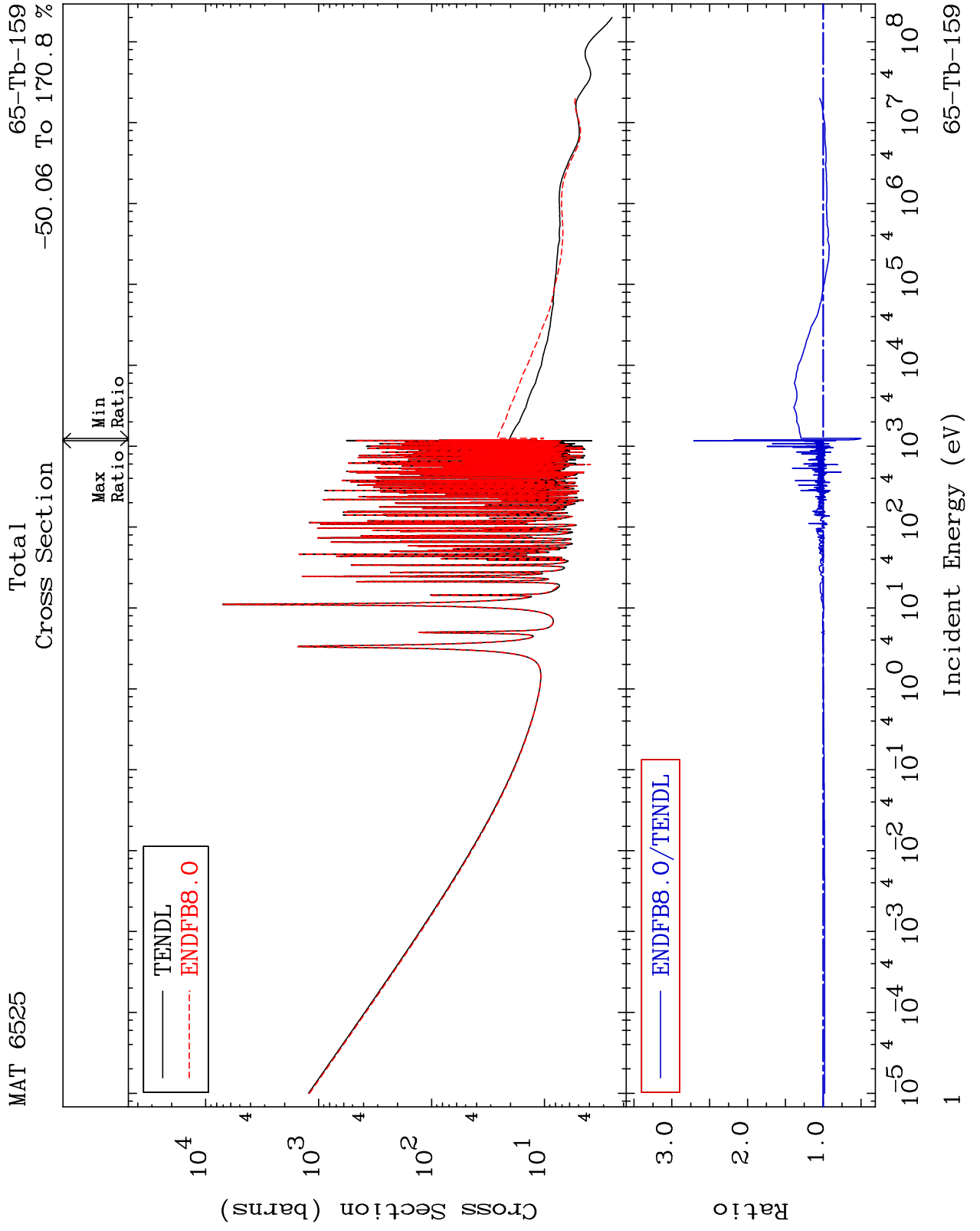
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



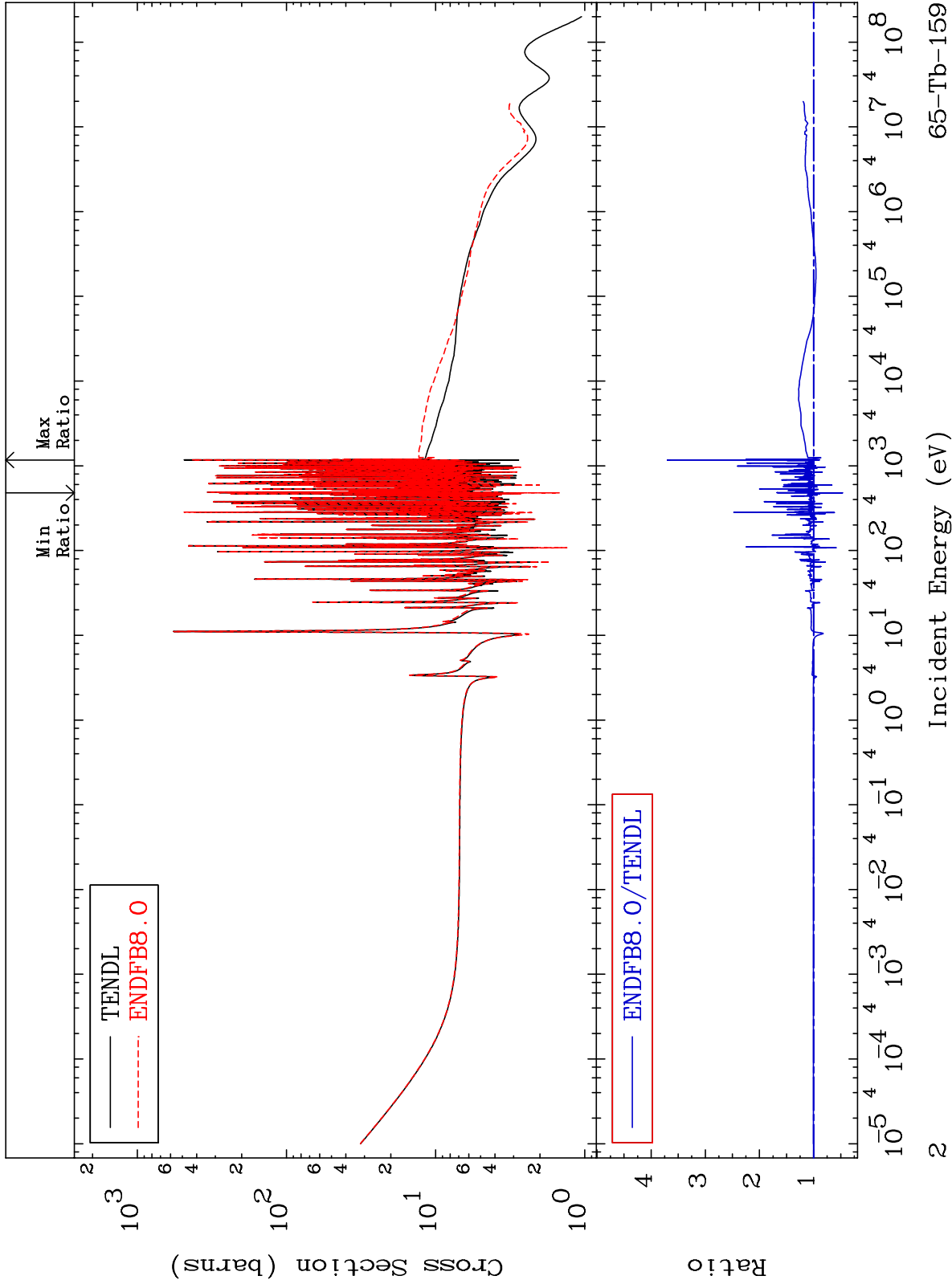
MAT 6525

Elastic

65-Tb-159

Cross Section

-53.38 To 270.1 %



Incident Energy (eV)

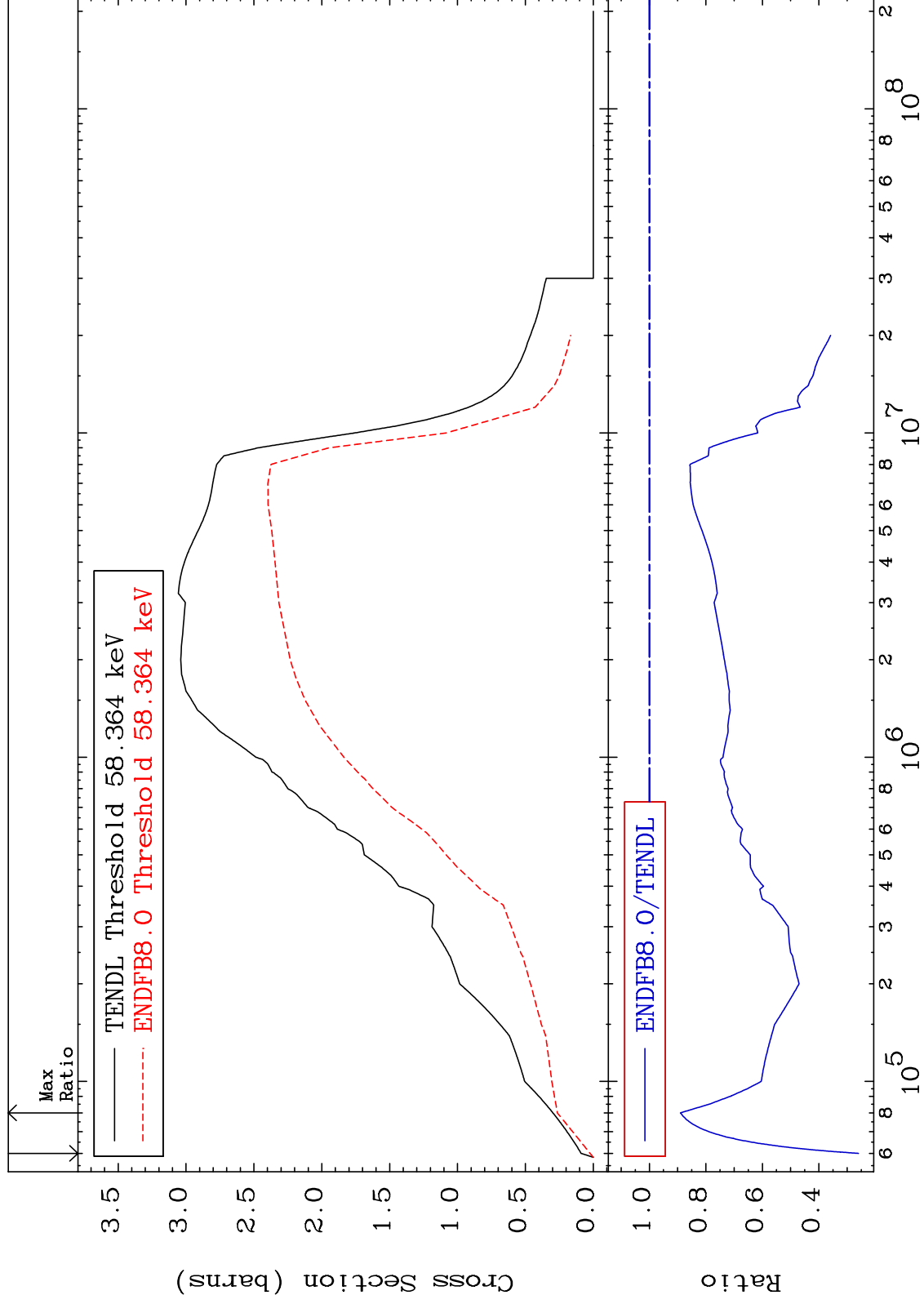
65-Tb-159

2

MAT 6525

Inelastic
Cross Section

65-Tb-159
-74.04 To -11.01%



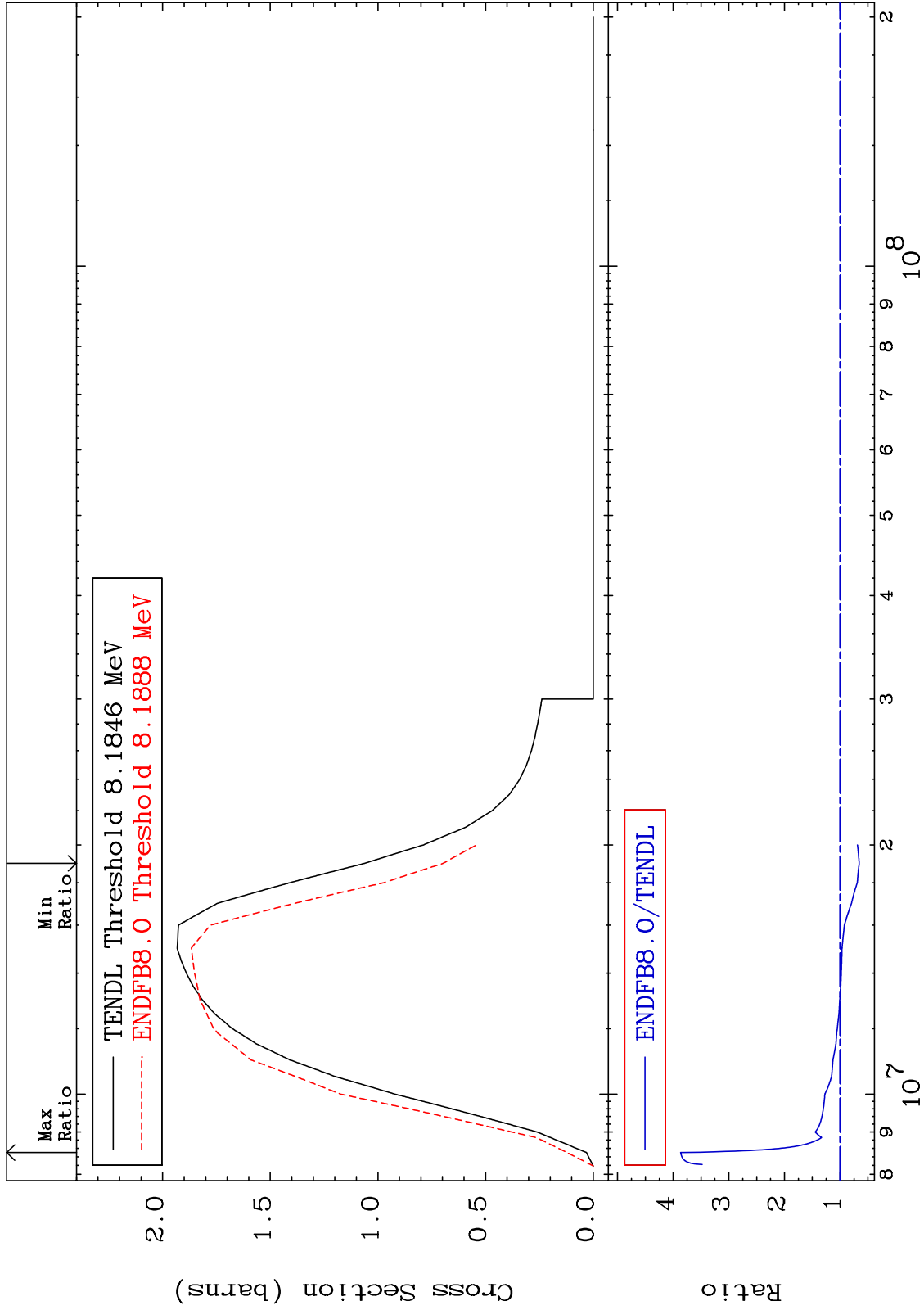
MAT 6525

(n,2n)

65-Tb-159

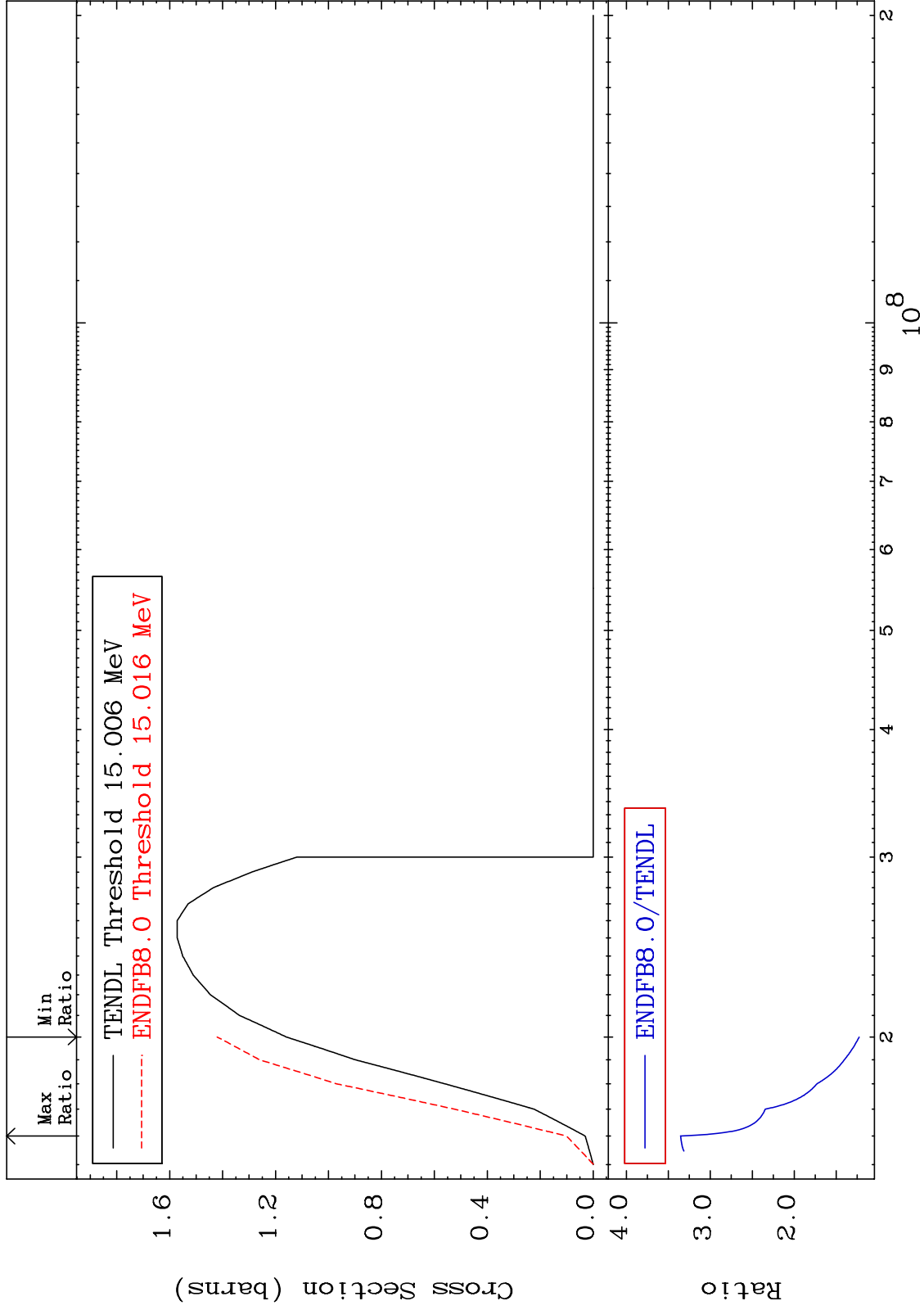
Cross Section

-34.30 To 286.6 %



Cross Section

22.54 To 235.4 %



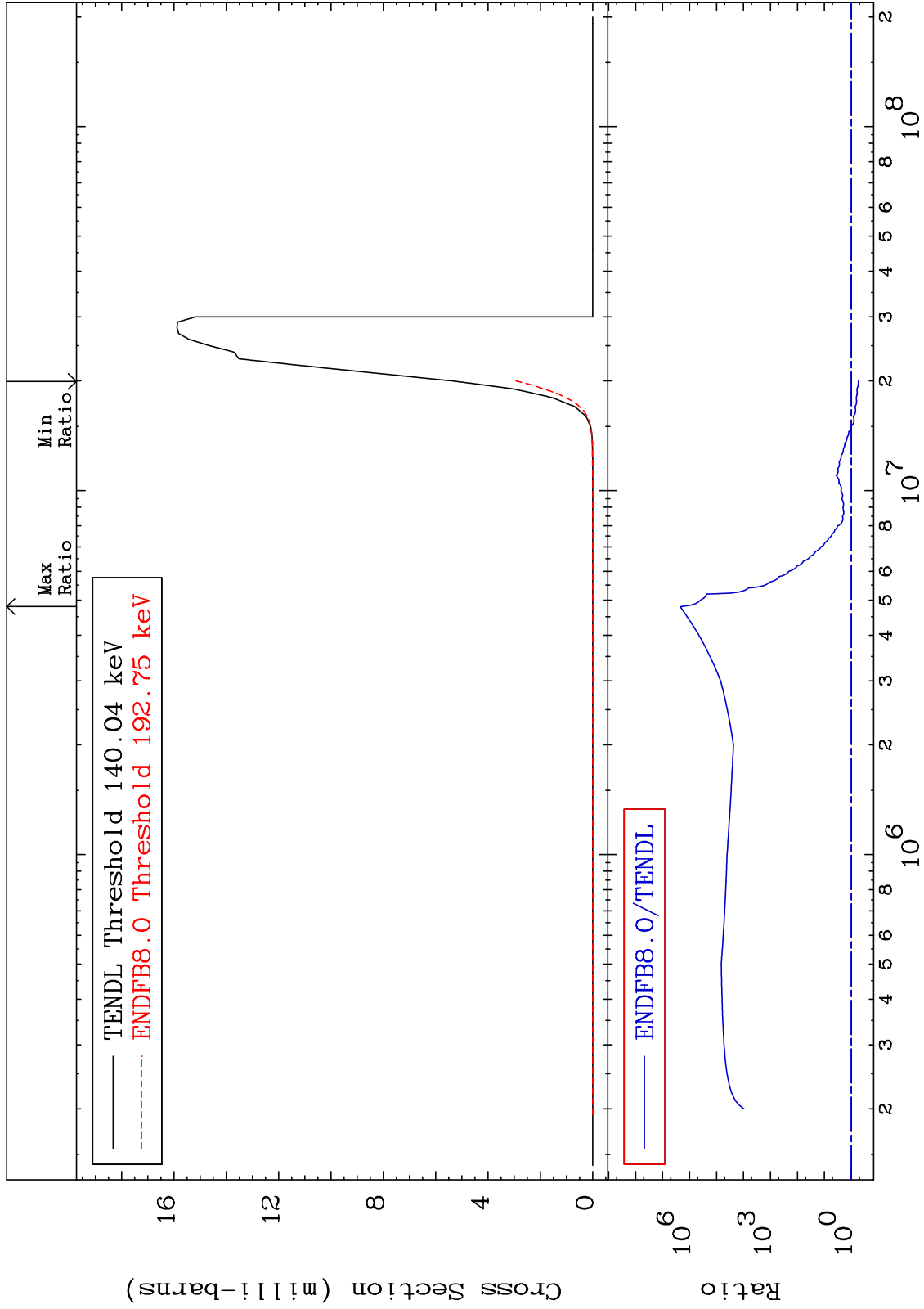
MAT 6525

(n, n') α

65-Tb-159

-45.23 To 9999. %

Cross Section



6

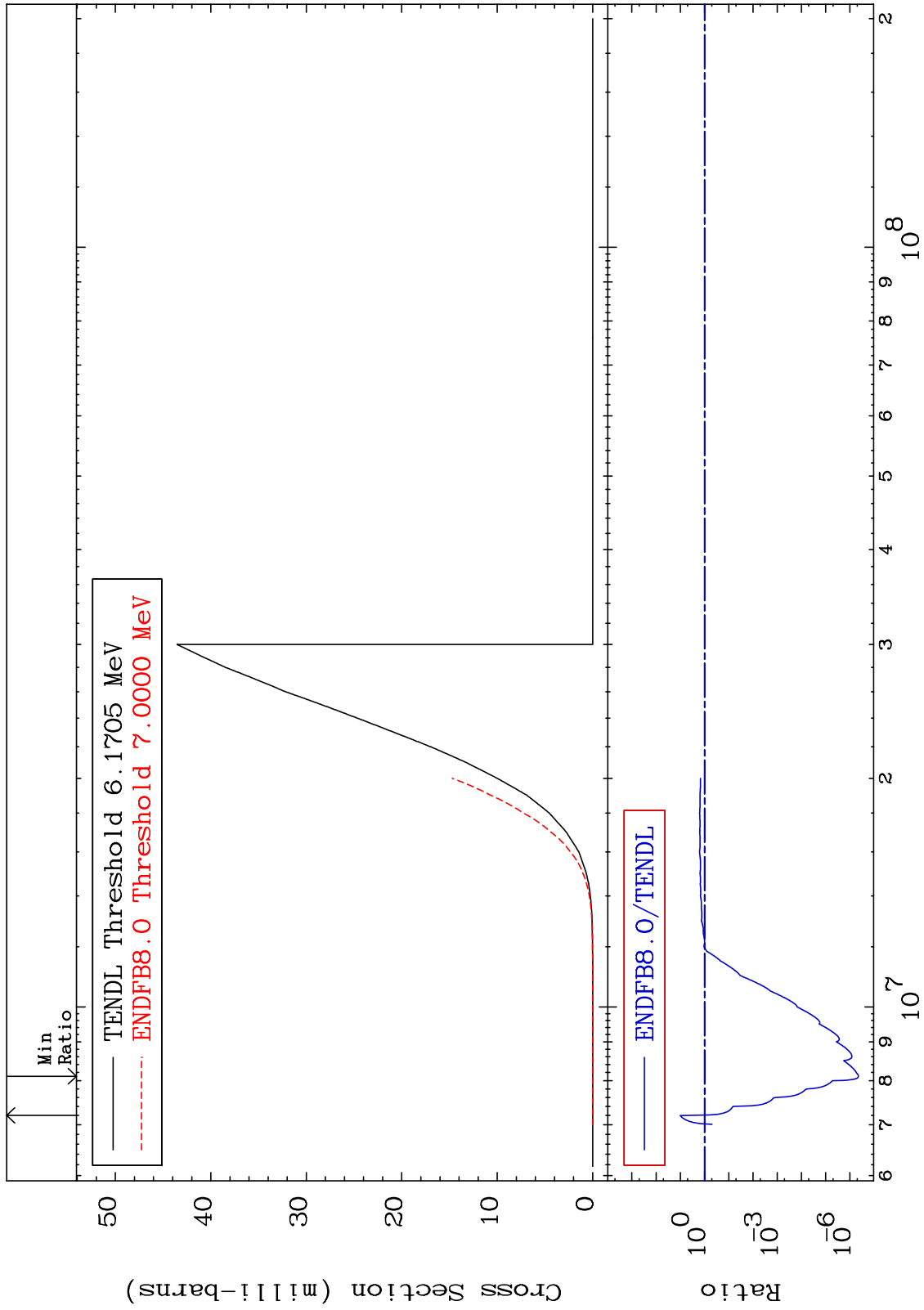
Incident Energy (eV)

65-Tb-159

MAT 6525

(n,n') p
Cross Section

65-Tb-159
-100.0 To 928.0 %



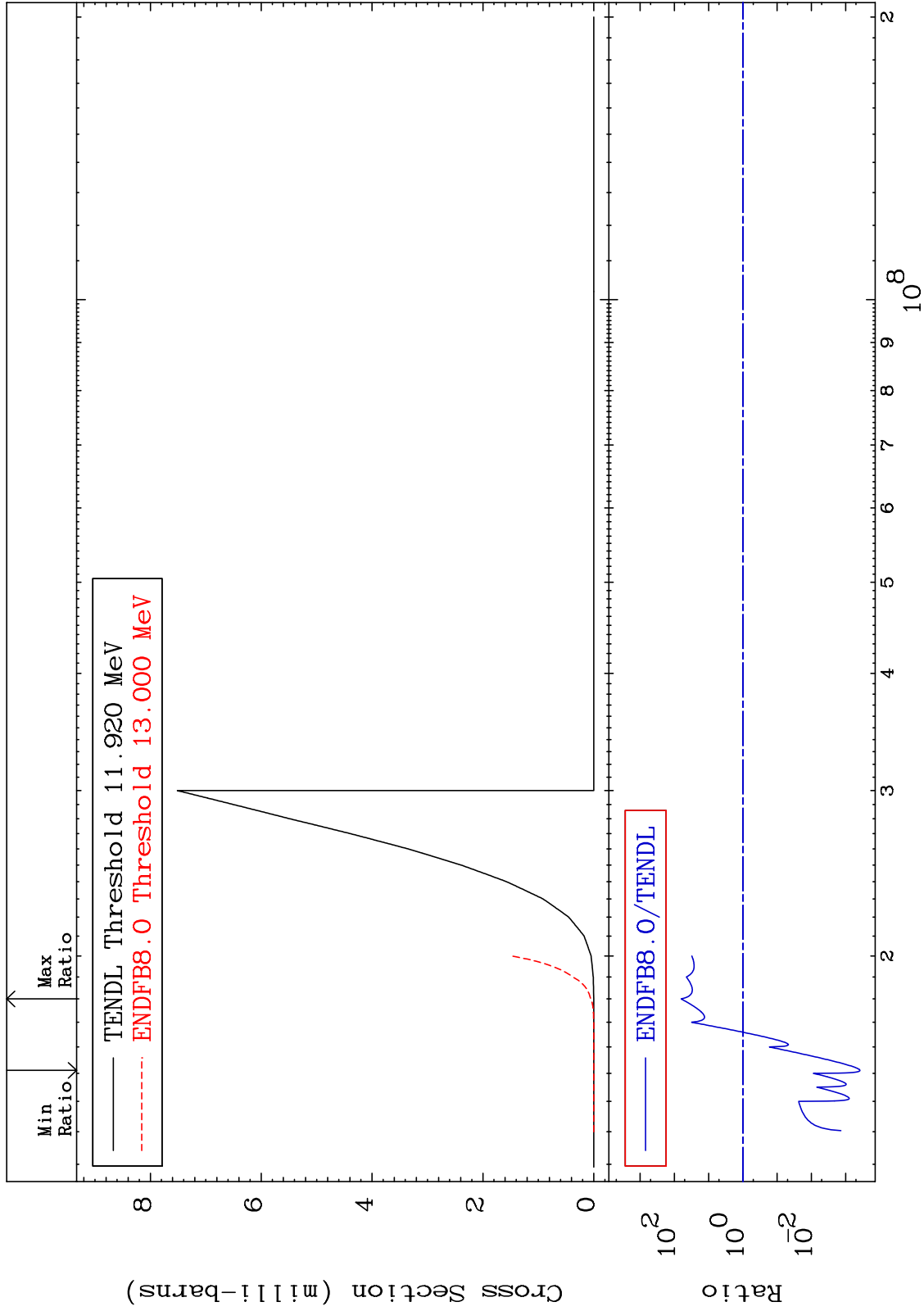
MAT 6525

(n, n') d

65-Tb-159

Cross Section

-99.96 To 6222. %



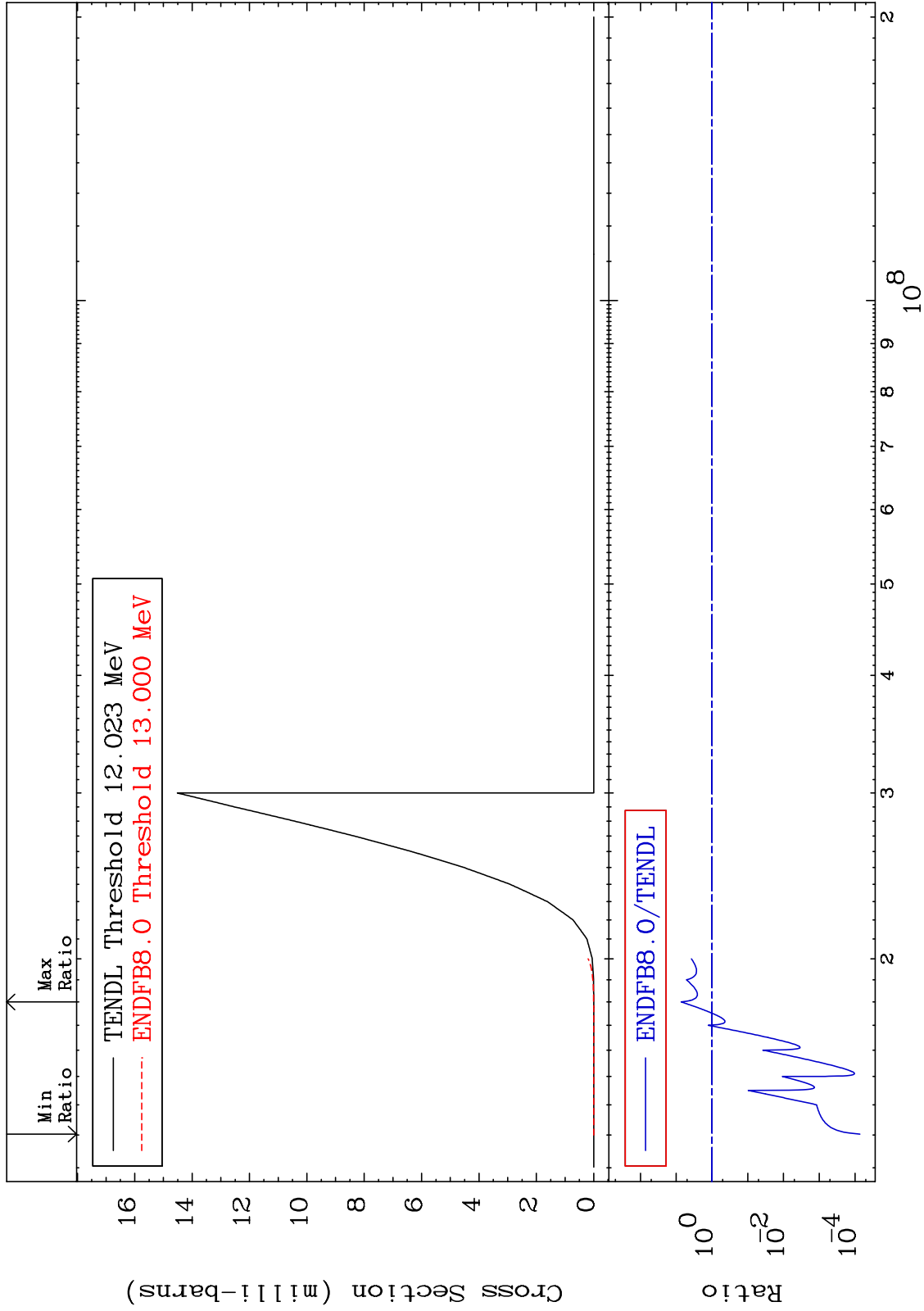
MAT 6525

(n,n') t

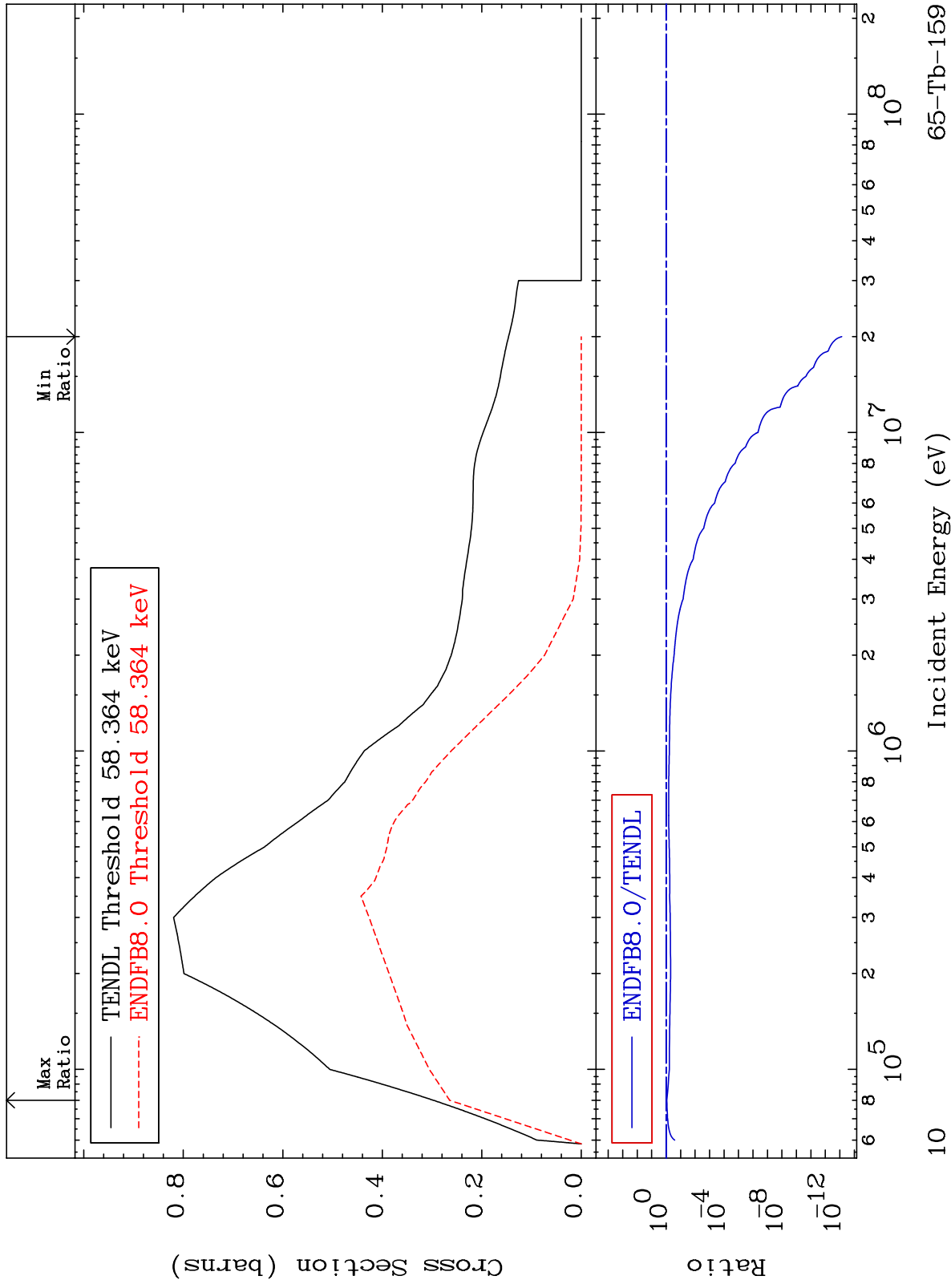
65-Tb-159

Cross Section

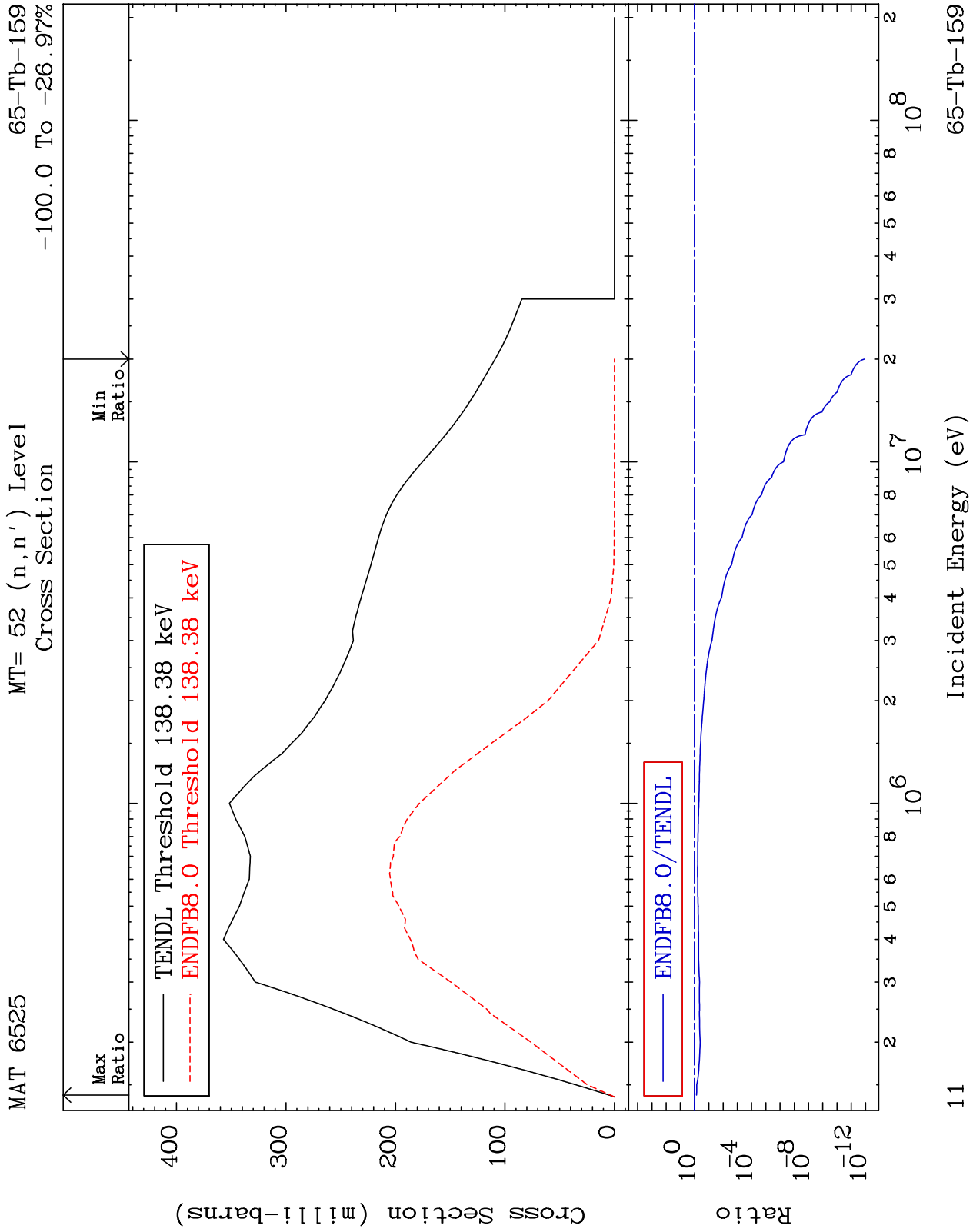
-99.99 To 623.4 %



MAT 6525 MT= 51 (n,n') Level 65-Tb-159
Cross Section -100.0 To -11.01%



10 65-Tb-159



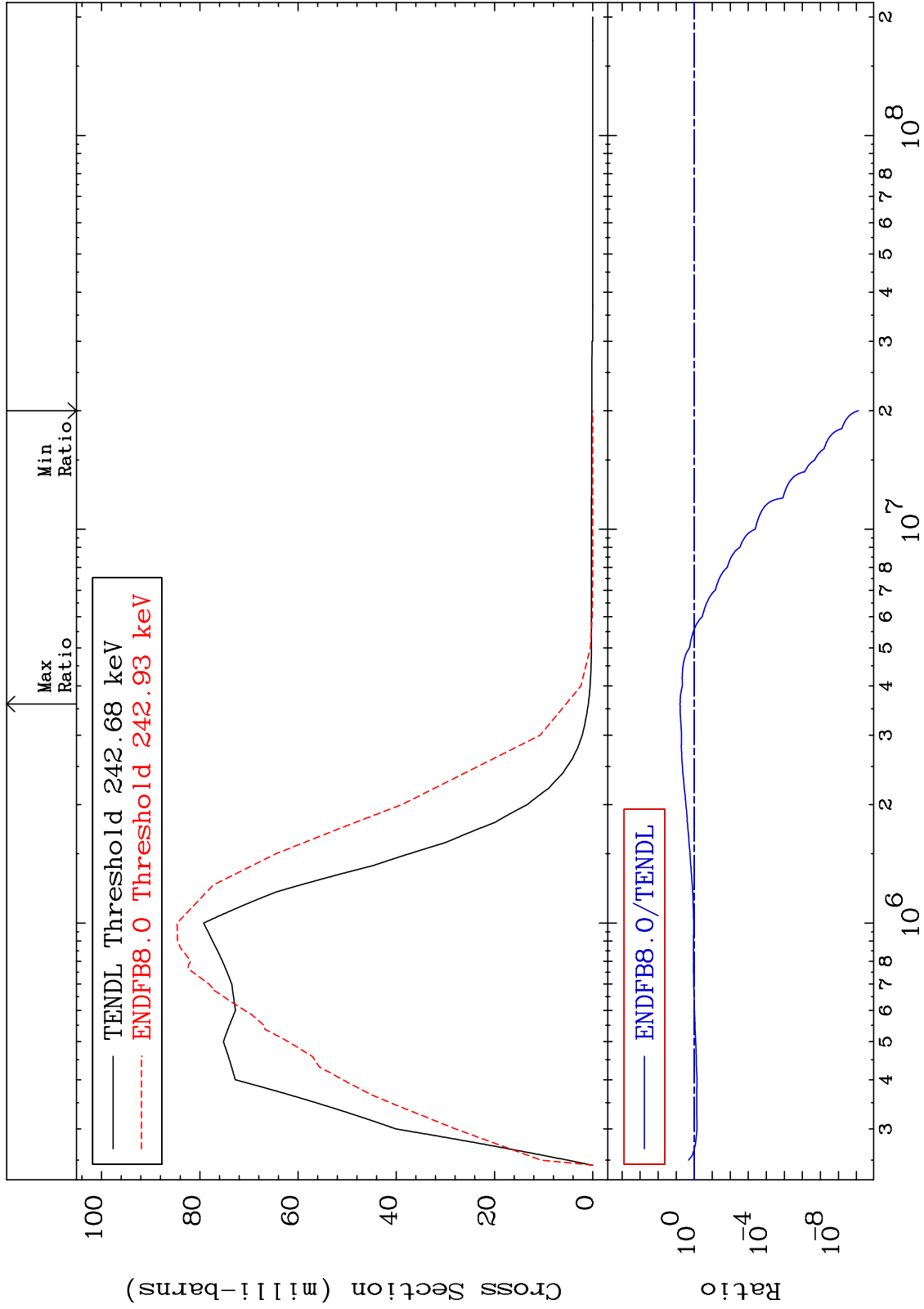
MAT 6525

MT= 53 (n,n') Level

65-Tb-159

-100.0 To 514.0 %

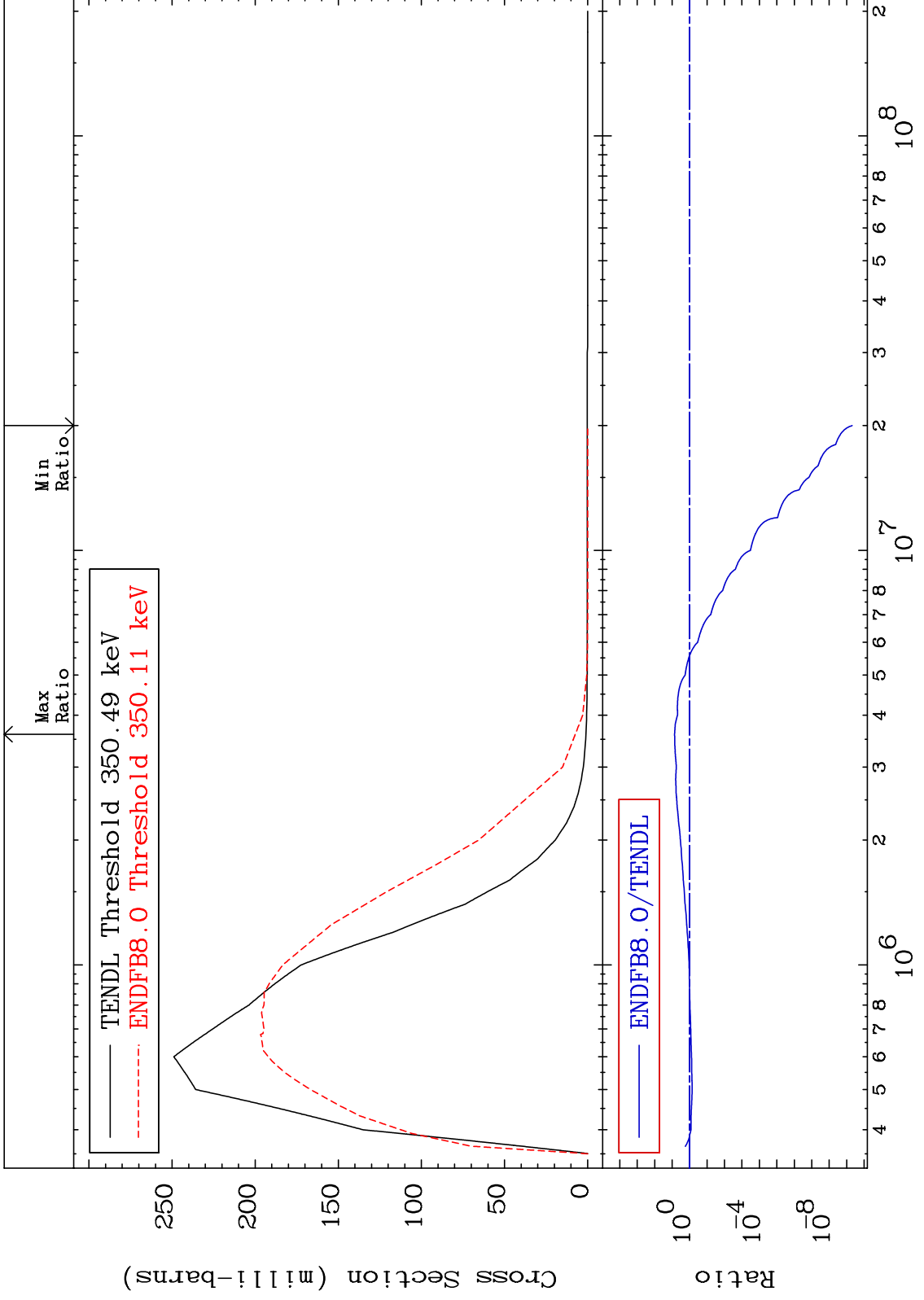
Cross Section



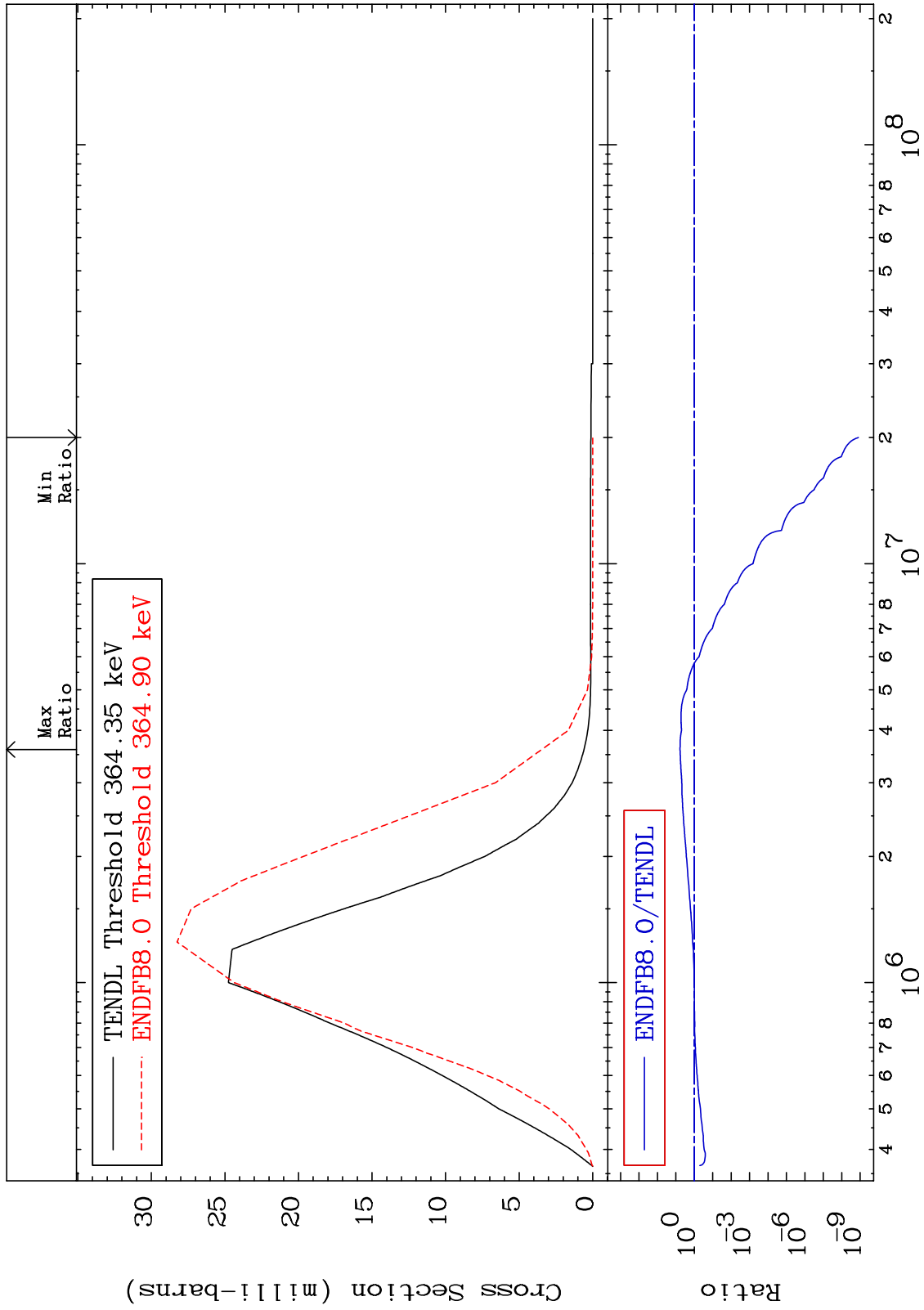
MAT 6525

MT= 54 (n,n') Level
Cross Section

65-Tb-159
-100.0 To 623.8 %



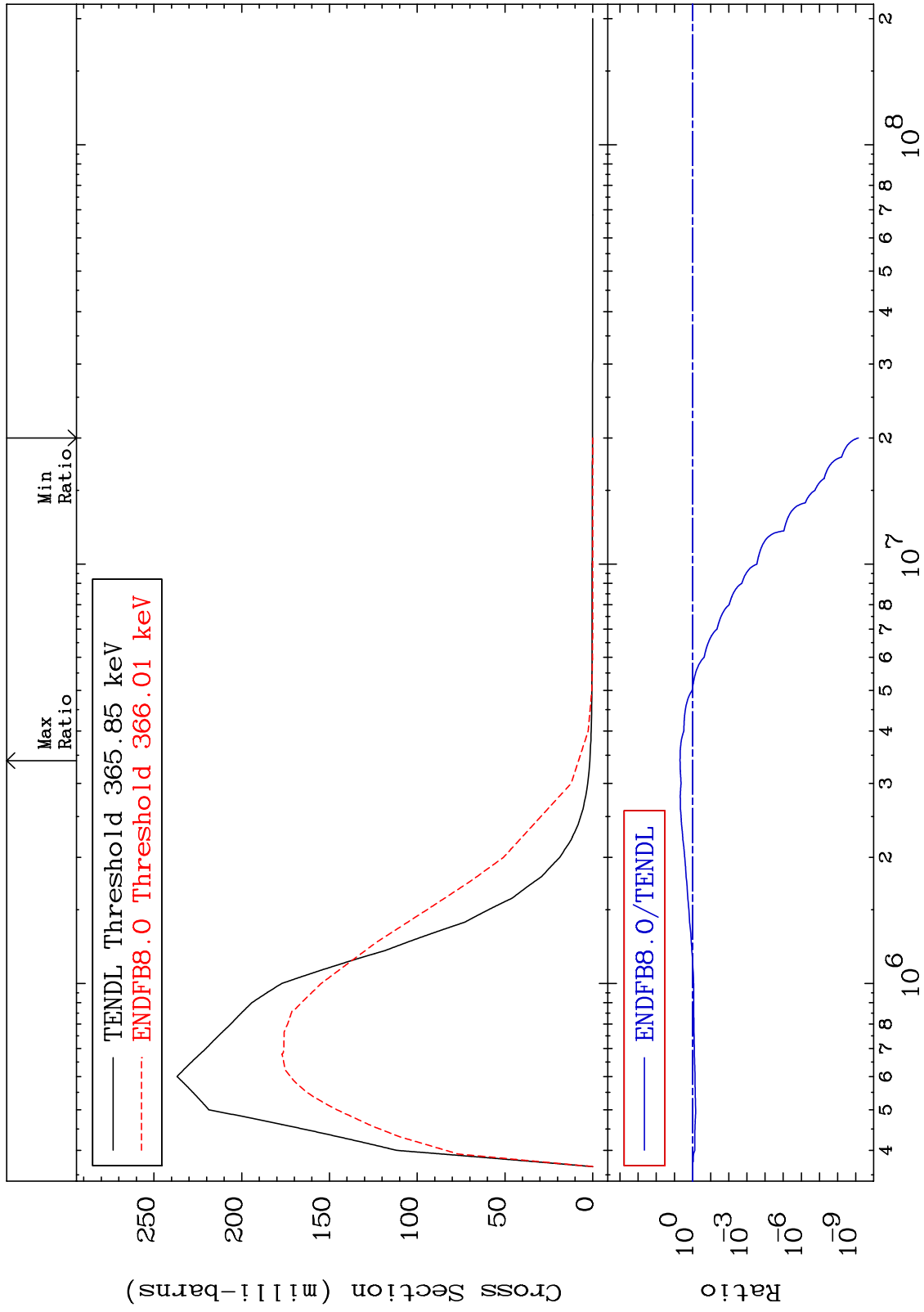
MAT 6525 MT= 55 (n,n') Level Cross Section 65-Tb-159
 -100.0 To 493.3 %



MAT 6525

MT= 56 (n,n') Level
Cross Section

65-Tb-159
-100.0 To 389.6 %



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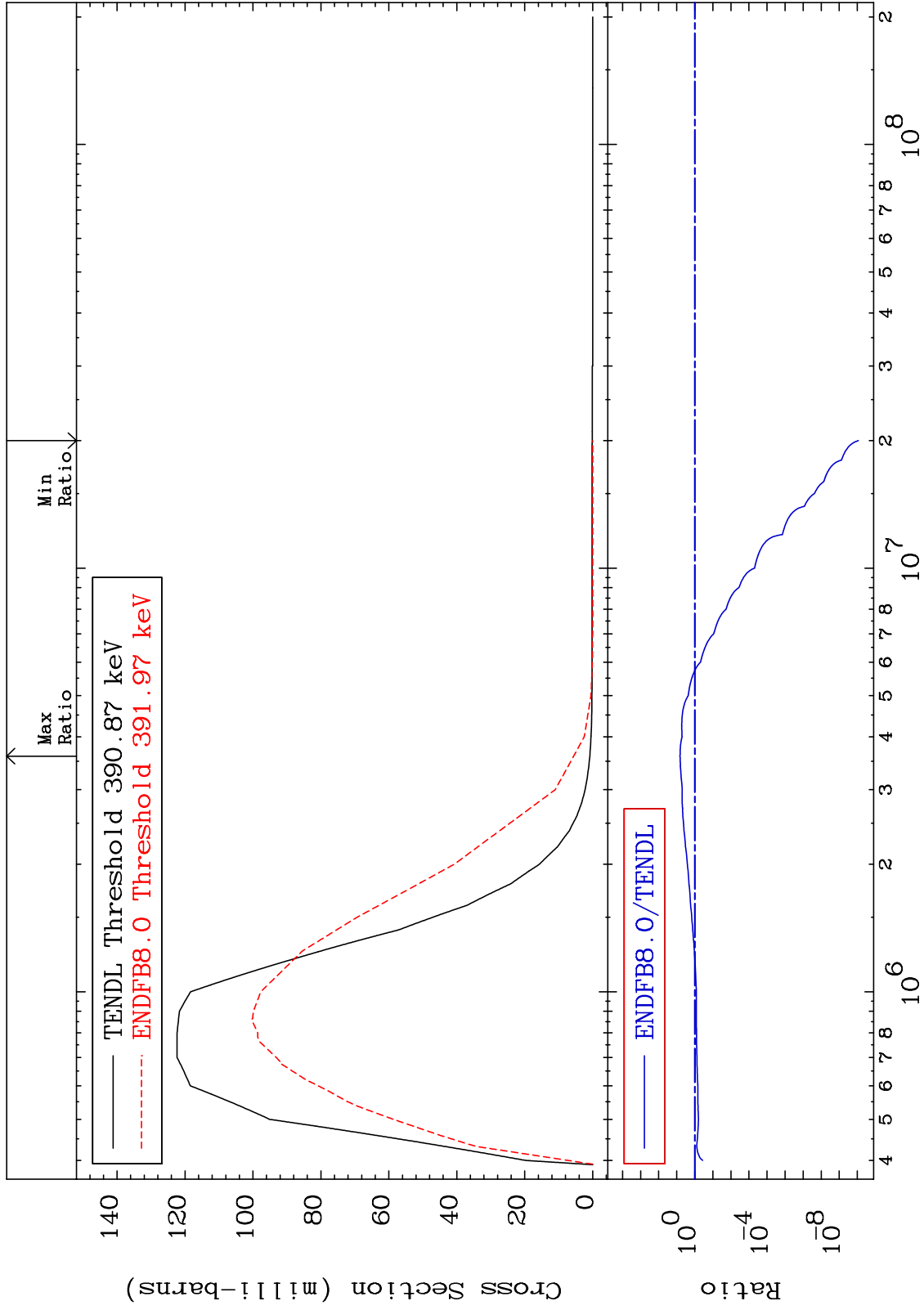
Incident Energy (eV)

65-Tb-159

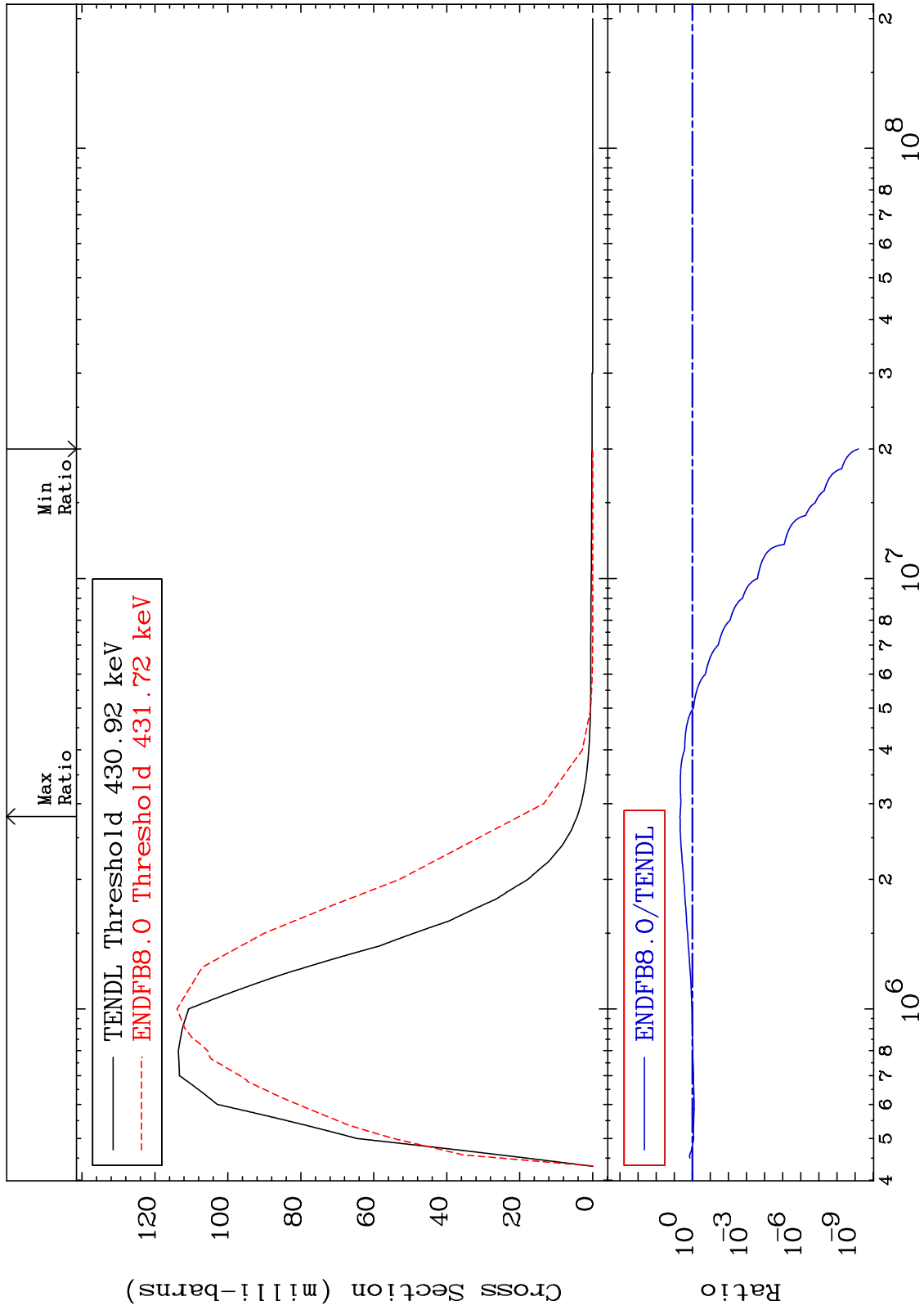
MAT 6525

MT= 57 (n,n') Level
Cross Section

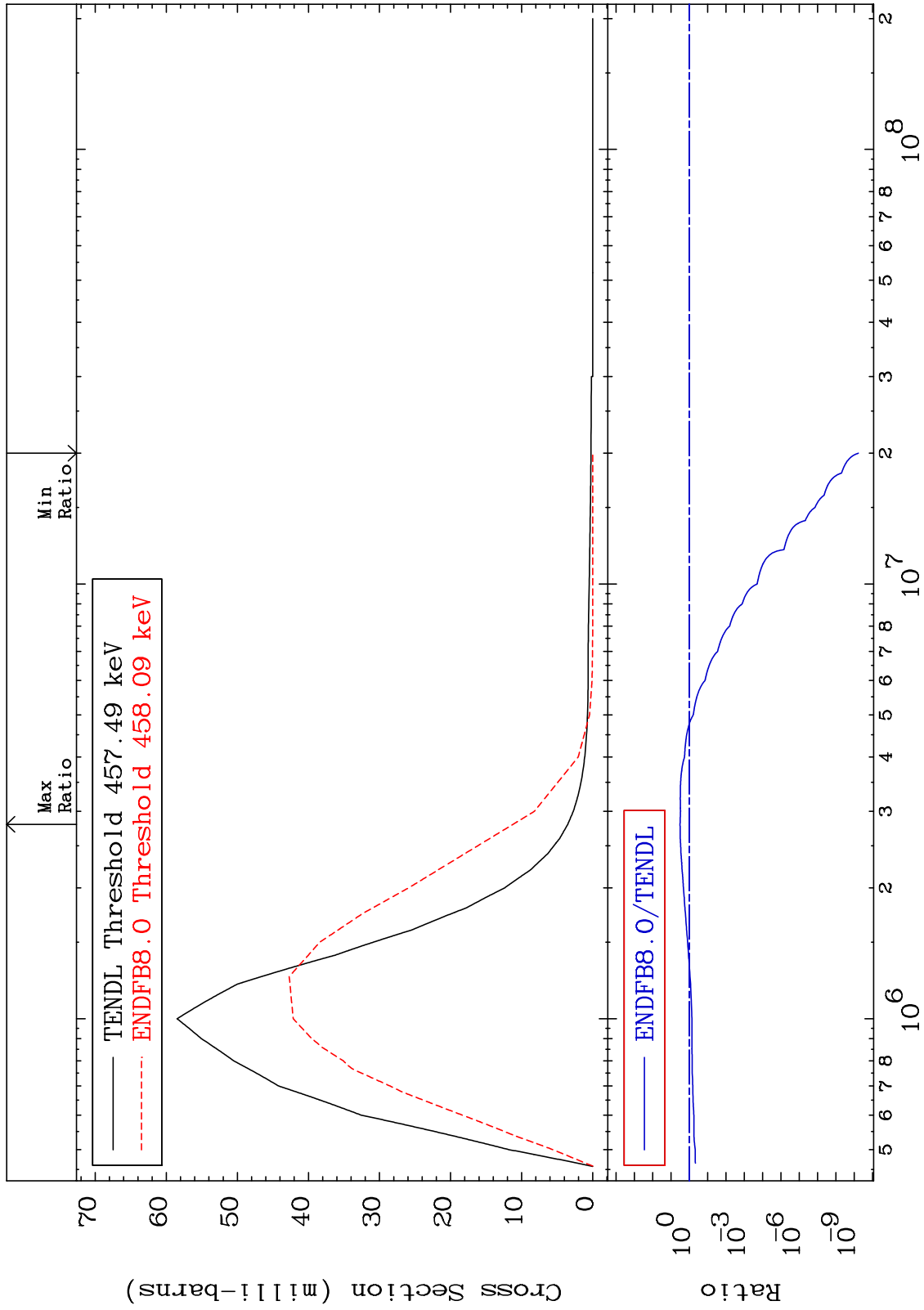
65-Tb-159
-100.0 To 557.9 %



MAT 6525 MT= 58 (n,n') Level Cross Section 65-Tb-159
 -100.0 To 375.8 %



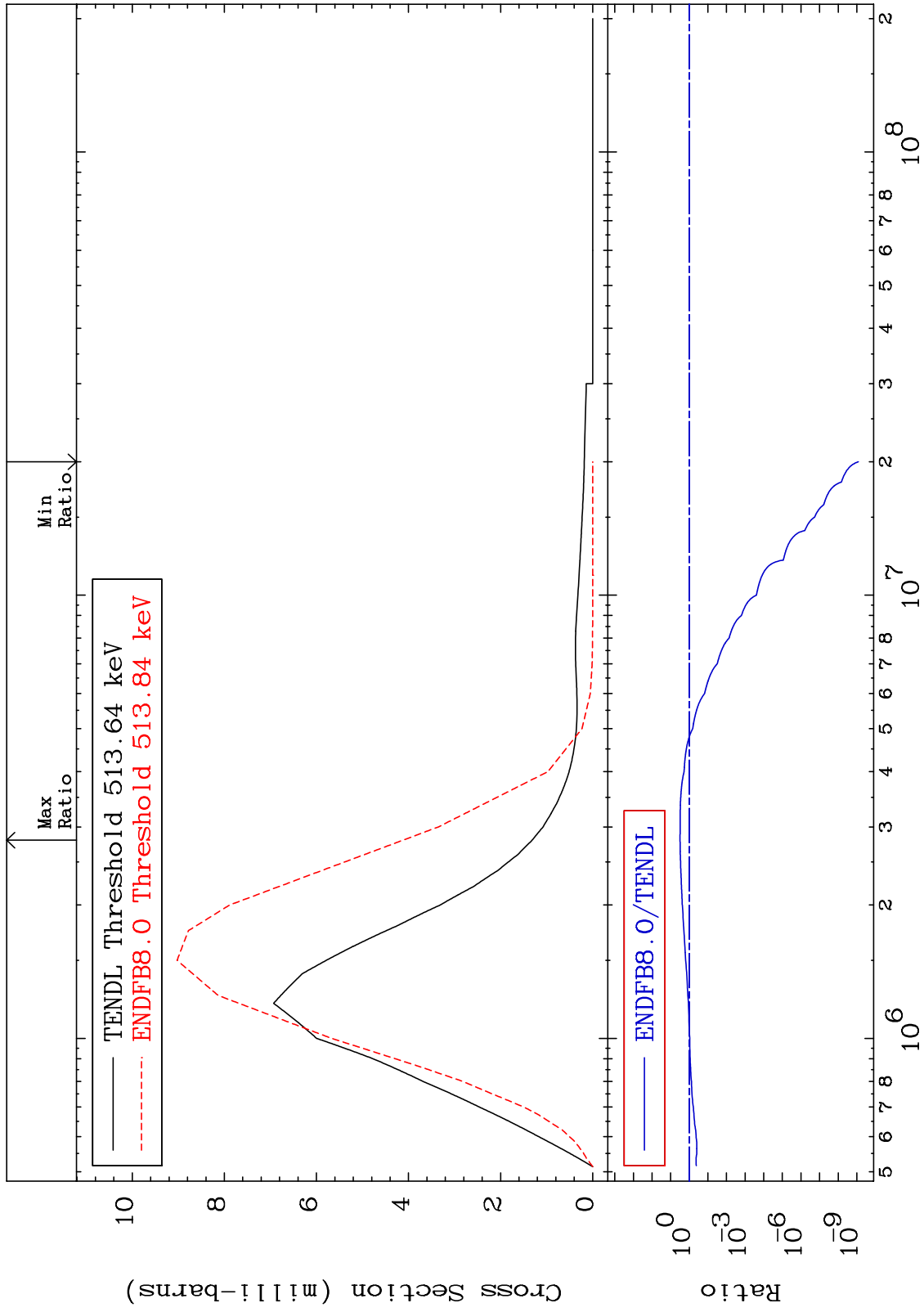
MAT 6525 MT= 59 (n,n') Level Cross Section 65-Tb-159
 -100.0 To 220.3 %



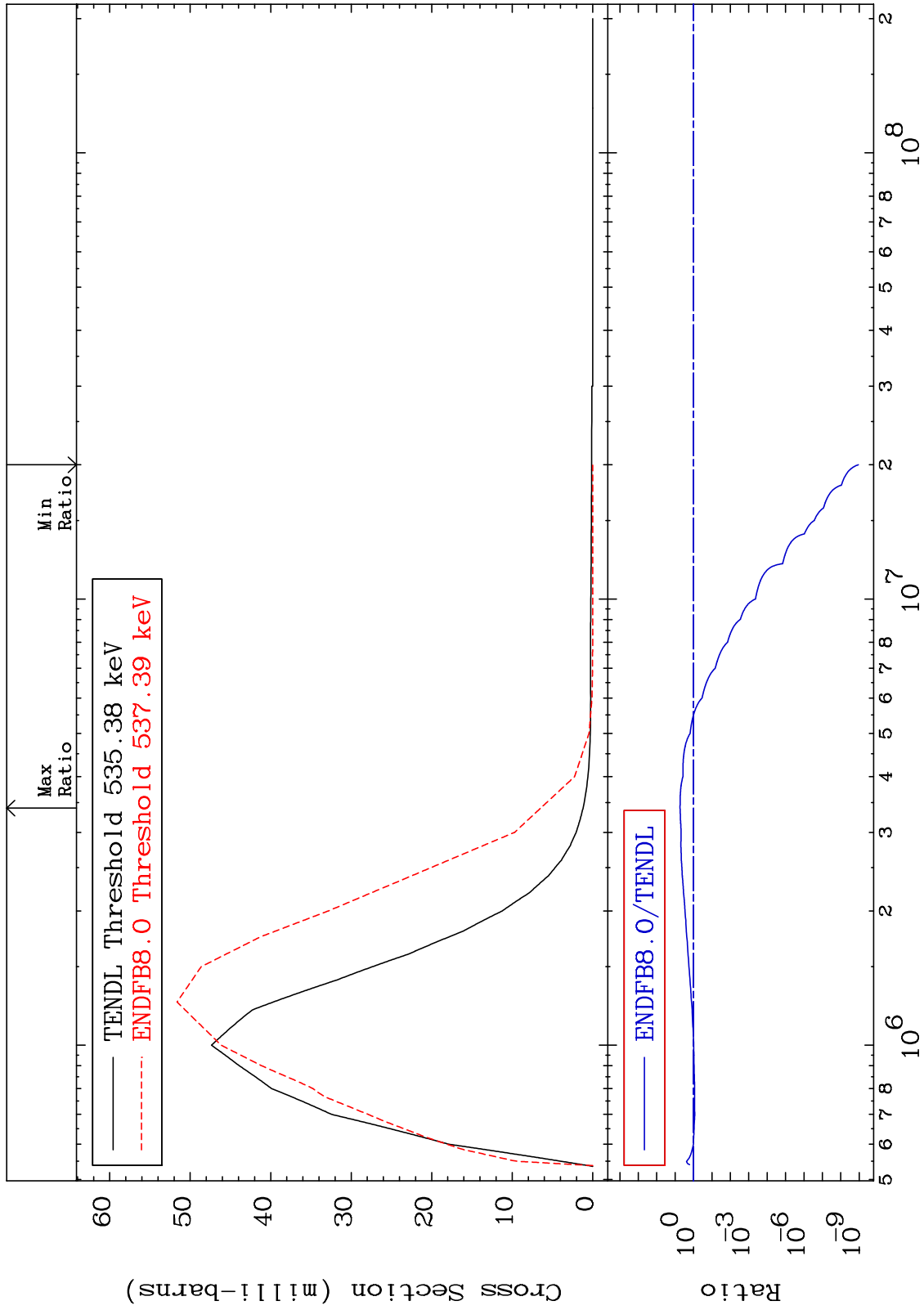
MAT 6525

MT= 60 (n,n') Level
Cross Section

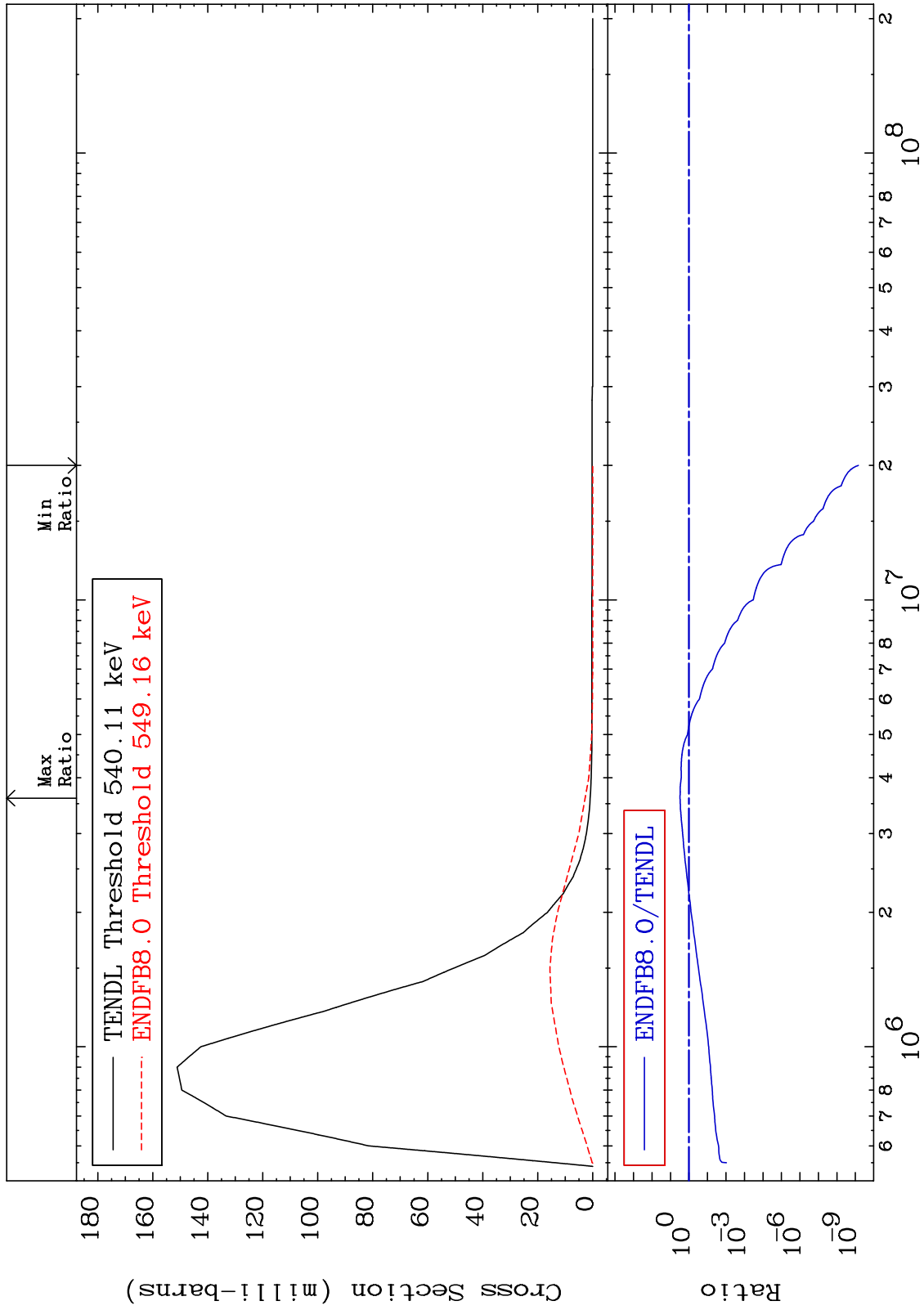
65-Tb-159
-100.0 To 213.6 %



MAT 6525 MT= 61 (n,n') Level Cross Section 65-Tb-159
 -100.0 To 441.8 %



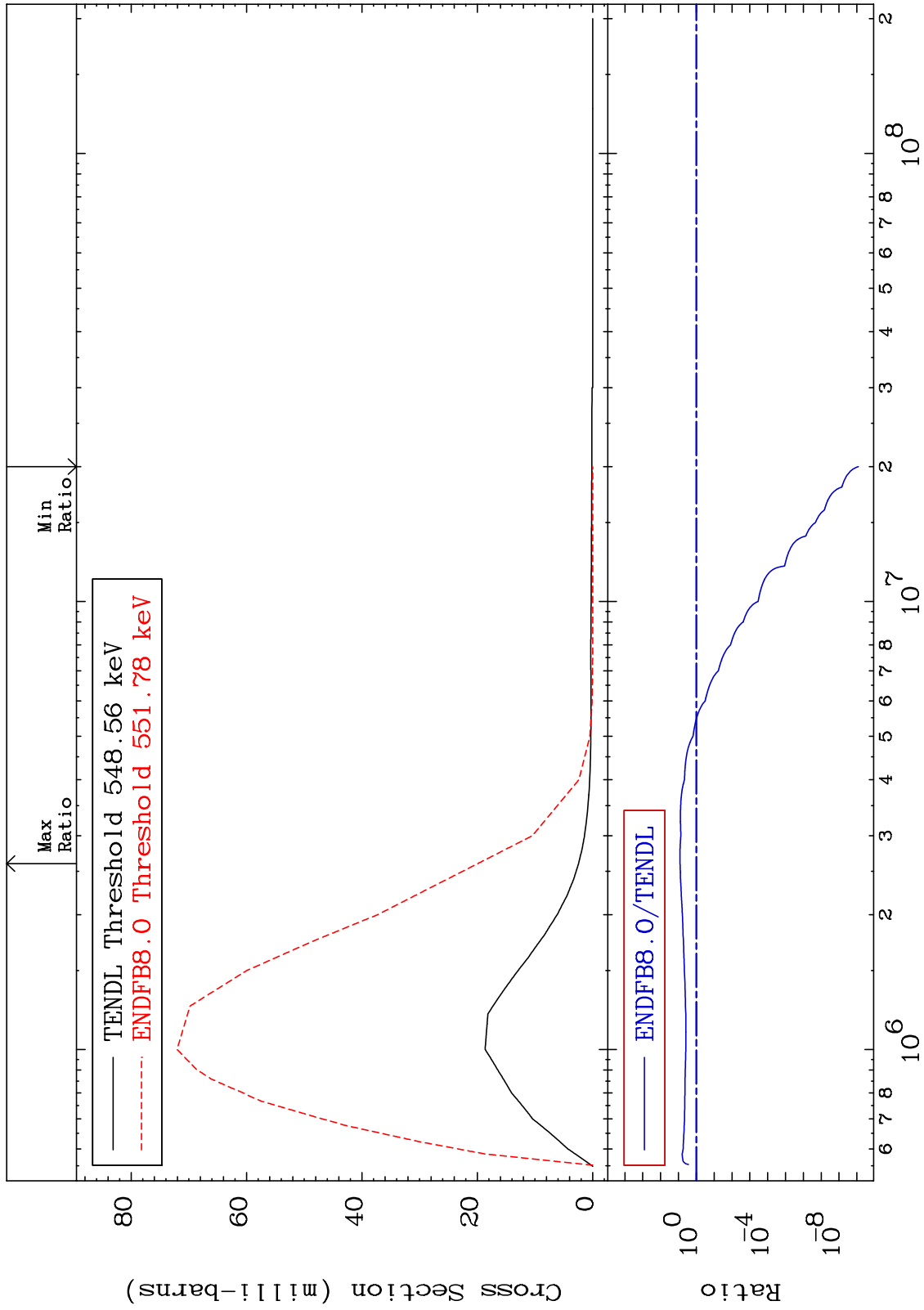
MAT 6525 MT= 62 (n,n') Level Cross Section 65-Tb-159 -100.0 To 205.9 %



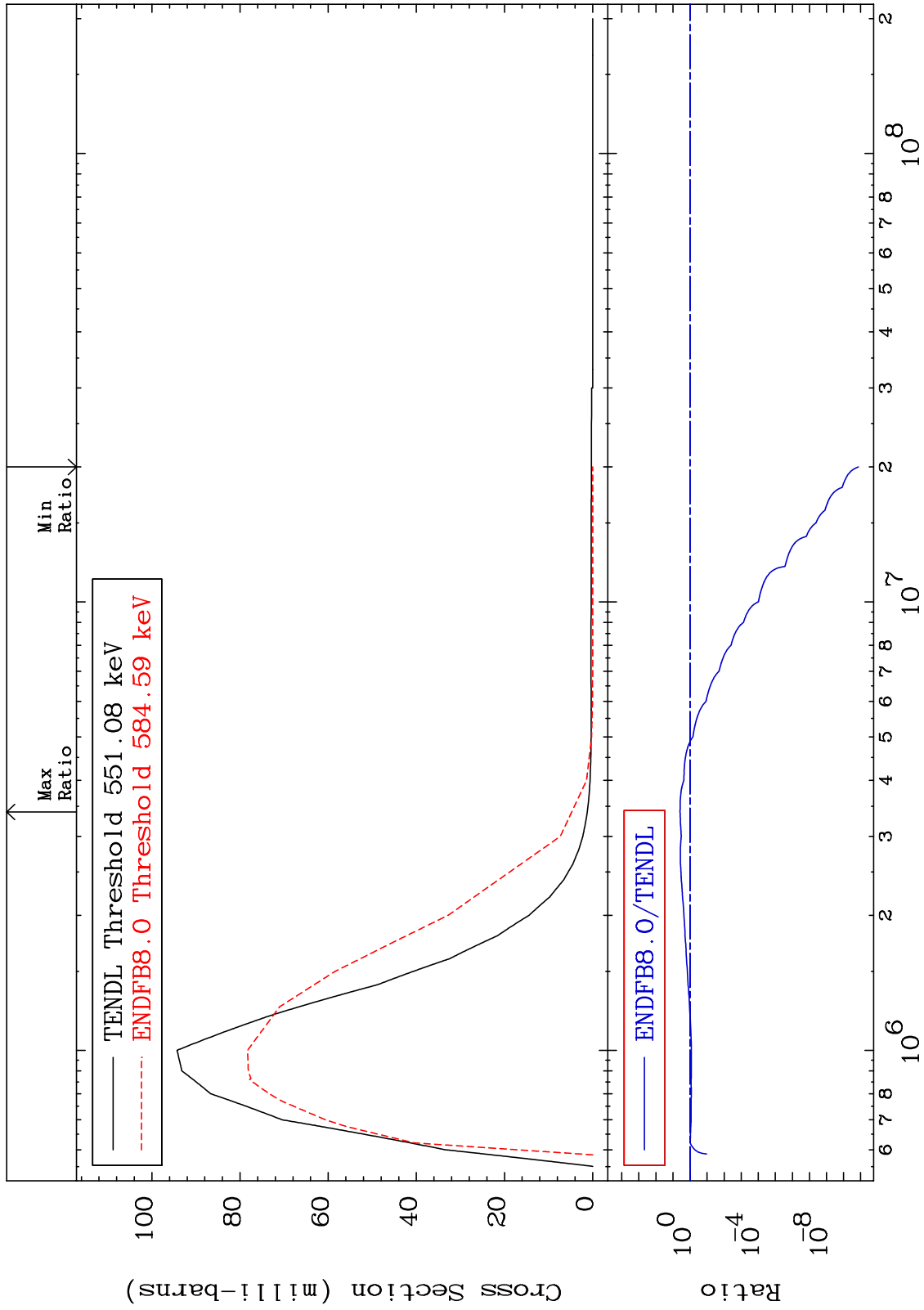
MAT 6525

MT= 63 (n,n') Level
Cross Section

65-Tb-159
-100.0 To 716.0 %



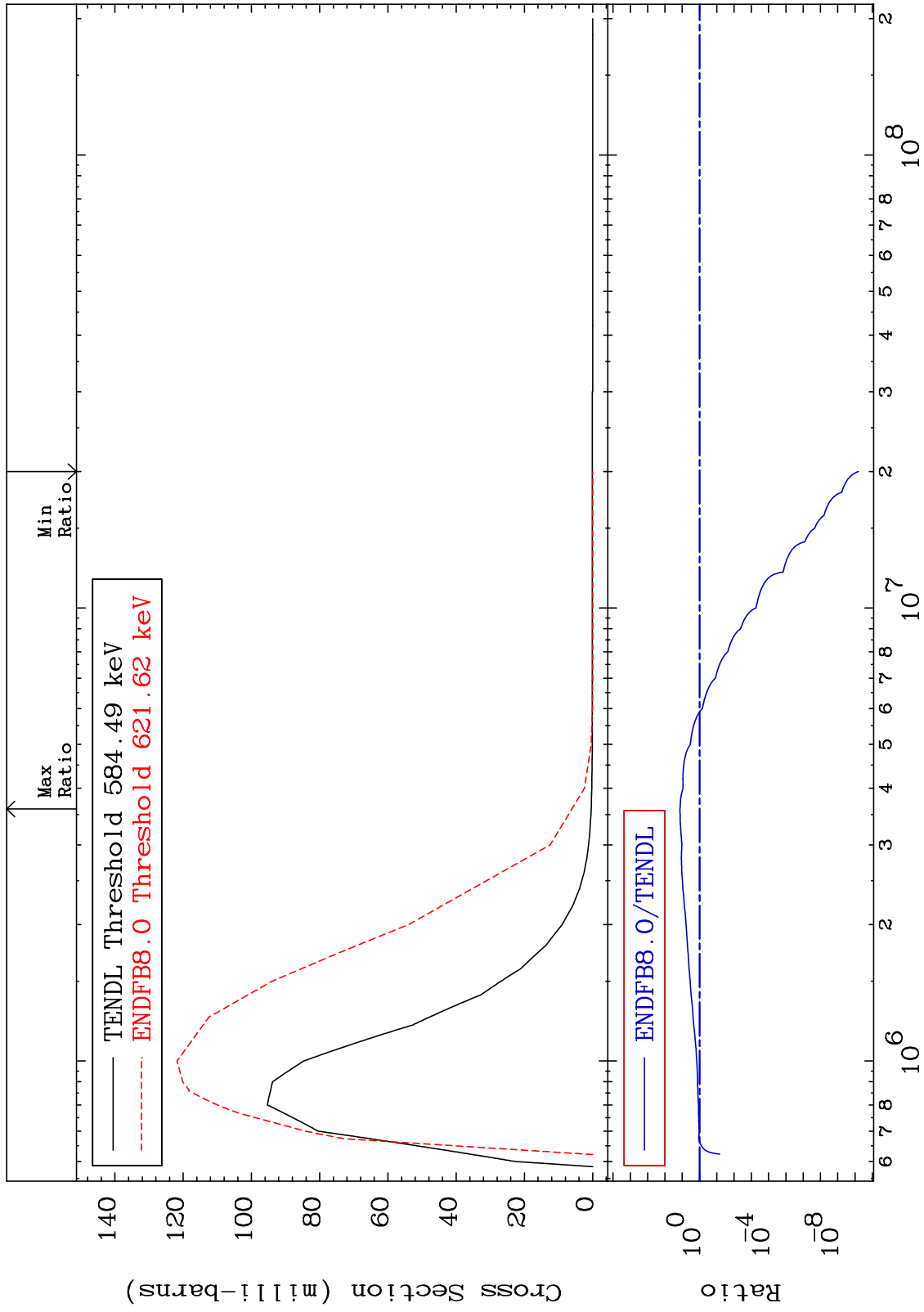
MAT 6525 MT= 64 (n,n') Level Cross Section 65-Tb-159
 -100.0 To 285.4 %



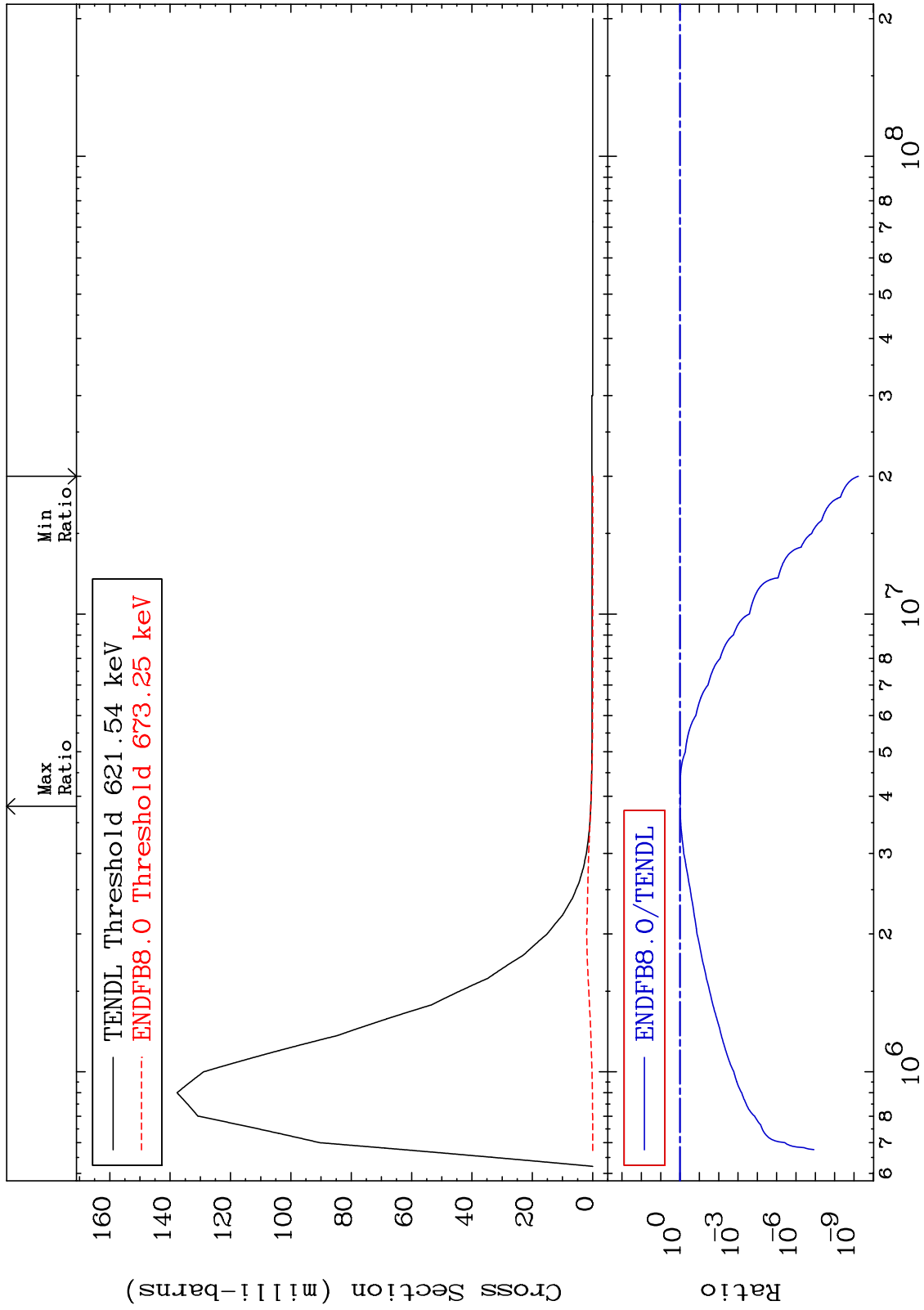
MAT 6525

MT= 65 (n,n') Level
Cross Section

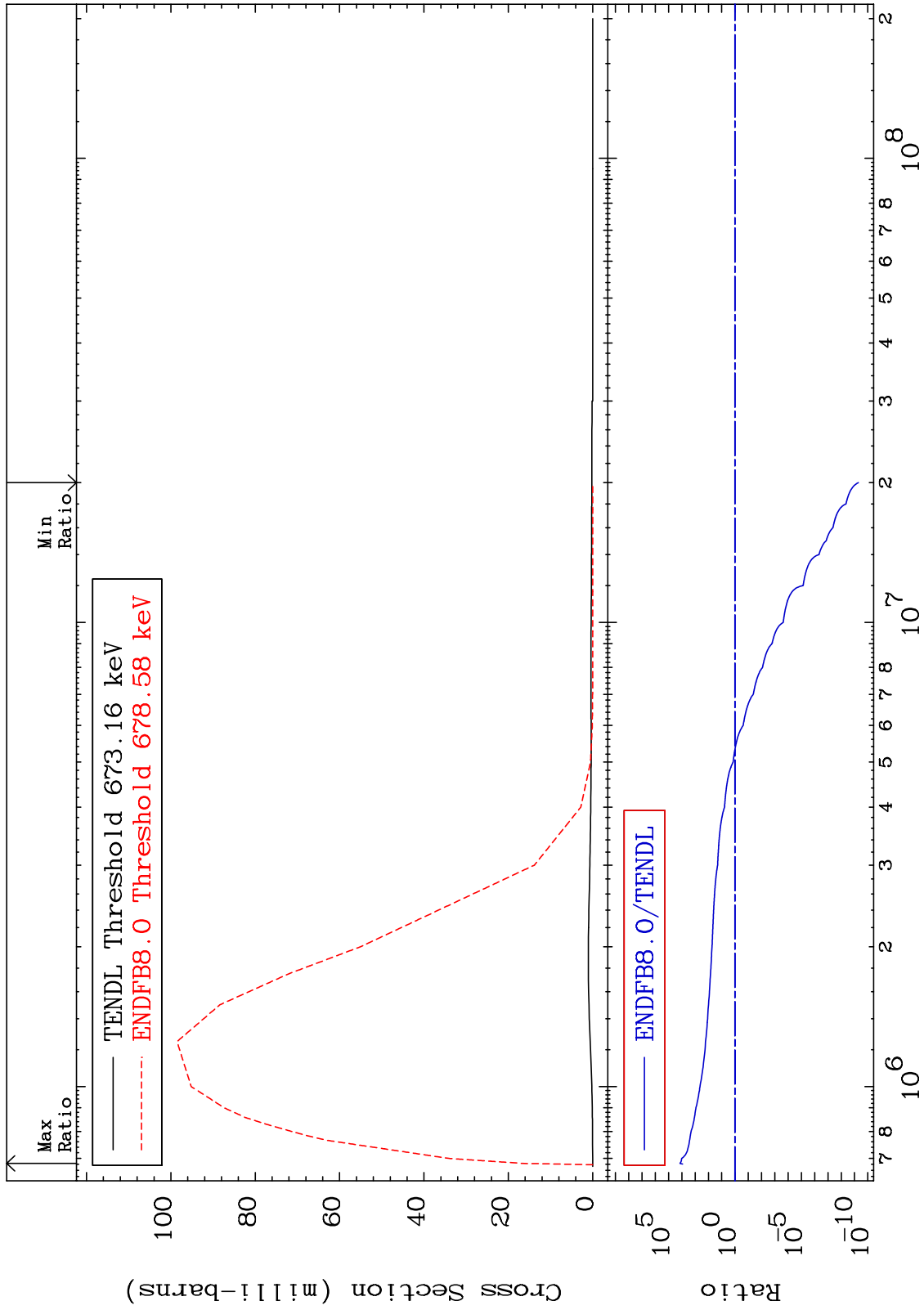
65-Tb-159
-100.0 To 1239. %



MAT 6525 MT= 66 (n,n') Level Cross Section 65-Tb-159 -100.0 To 0.026 %



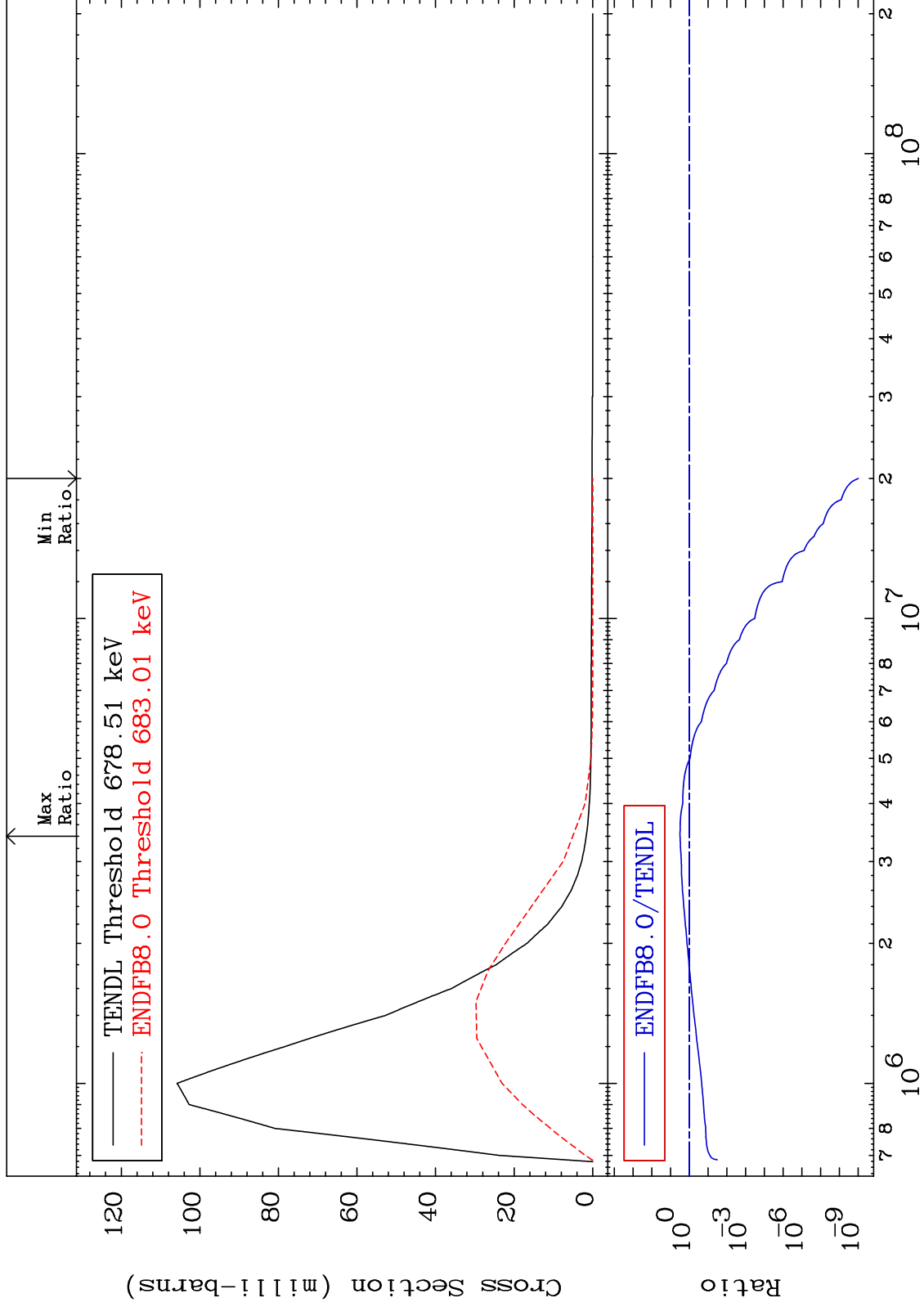
MAT 6525 MT= 67 (n,n') Level 65-Tb-159
 Cross Section -100.0 To 9999. %



MAT 6525

MT= 68 (n,n') Level
Cross Section

65-Tb-159
-100.0 To 212.2 %



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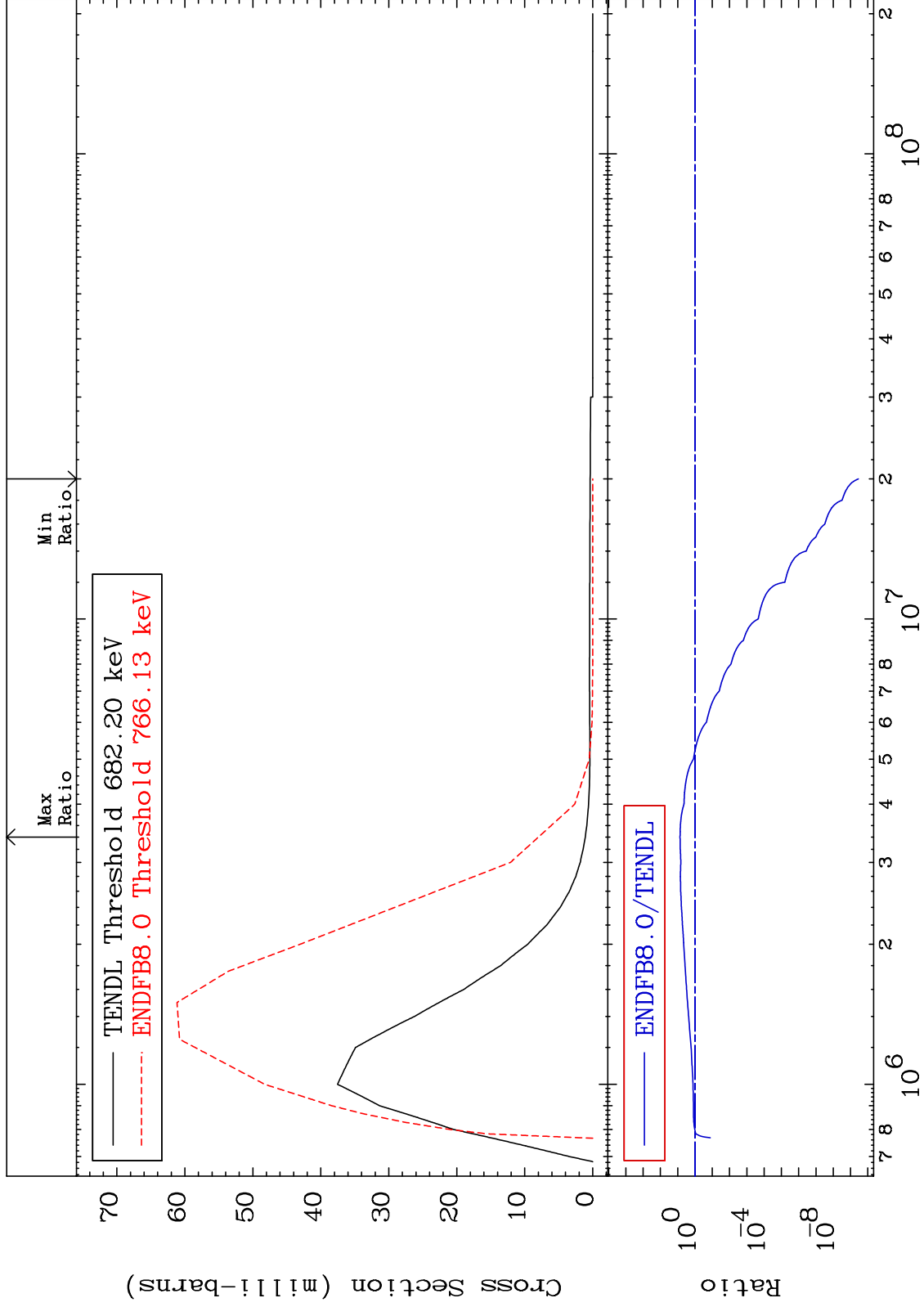
Incident Energy (eV)

65-Tb-159

MAT 6525

MT= 69 (n,n') Level
Cross Section

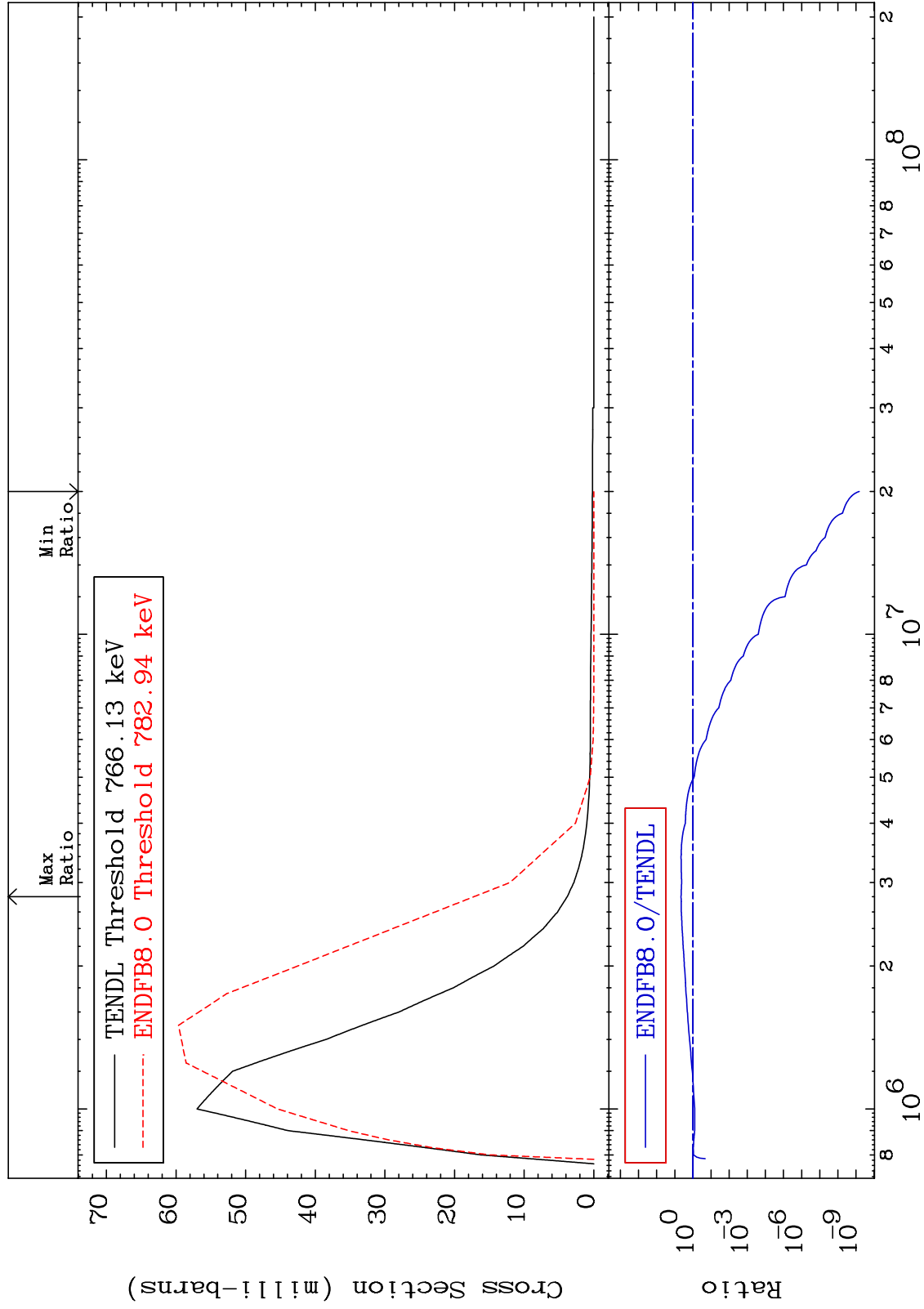
65-Tb-159
-100.0 To 631.8 %



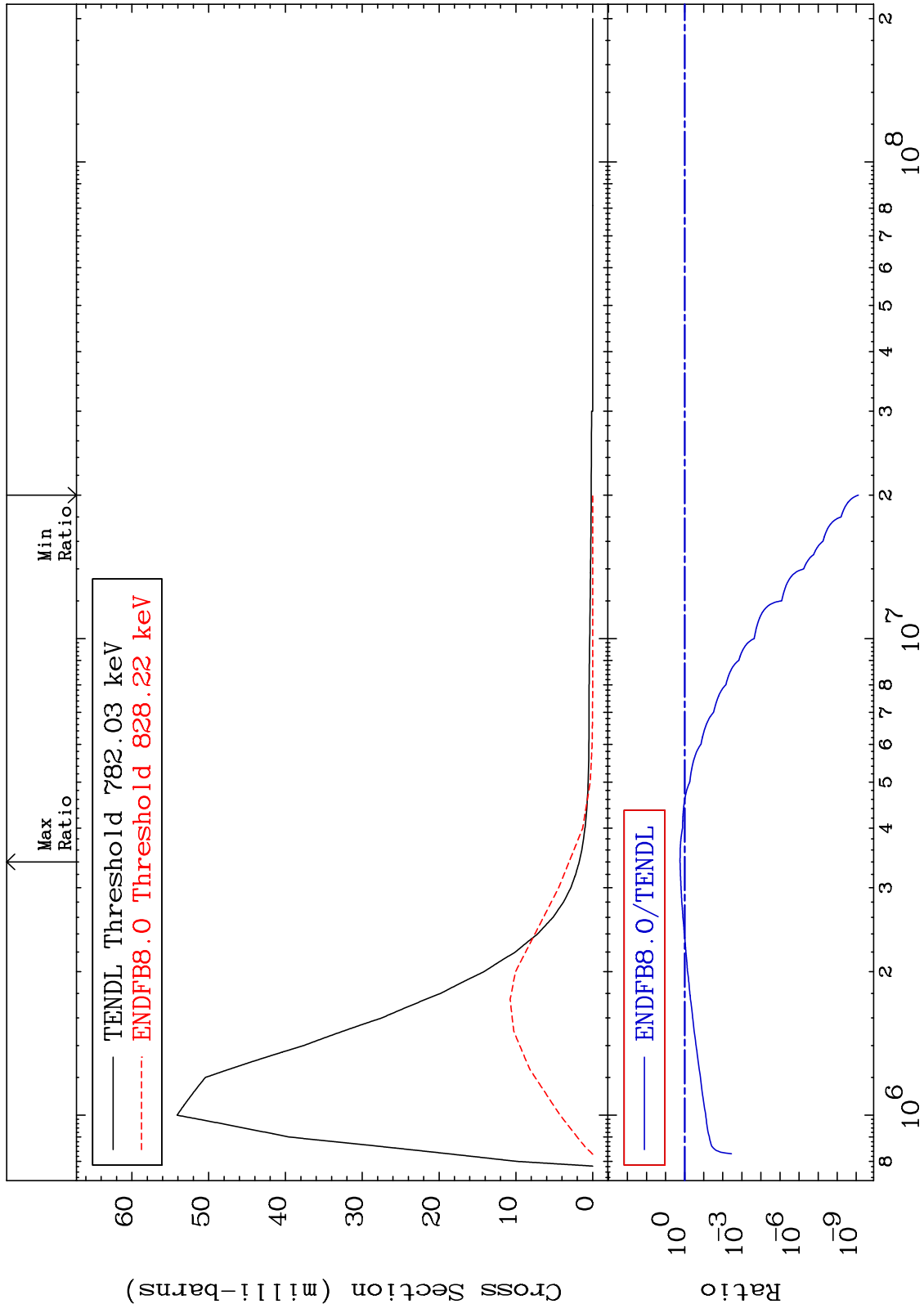
MAT 6525

MT= 70 (n,n') Level
Cross Section

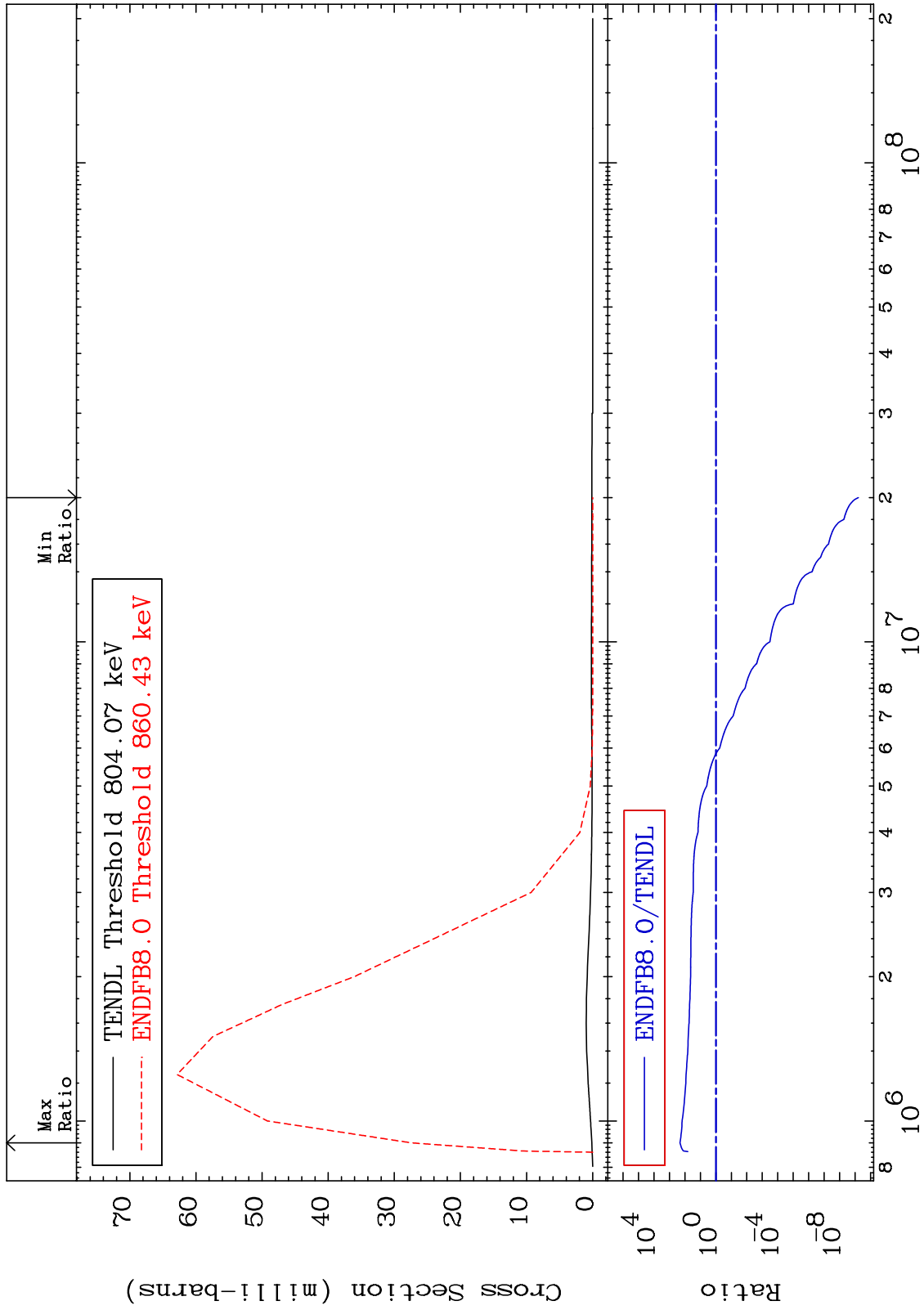
65-Tb-159
-100.0 To 351.6 %



MAT 6525 MT= 71 (n,n') Level Cross Section 65-Tb-159
 -100.0 To 75.48 %



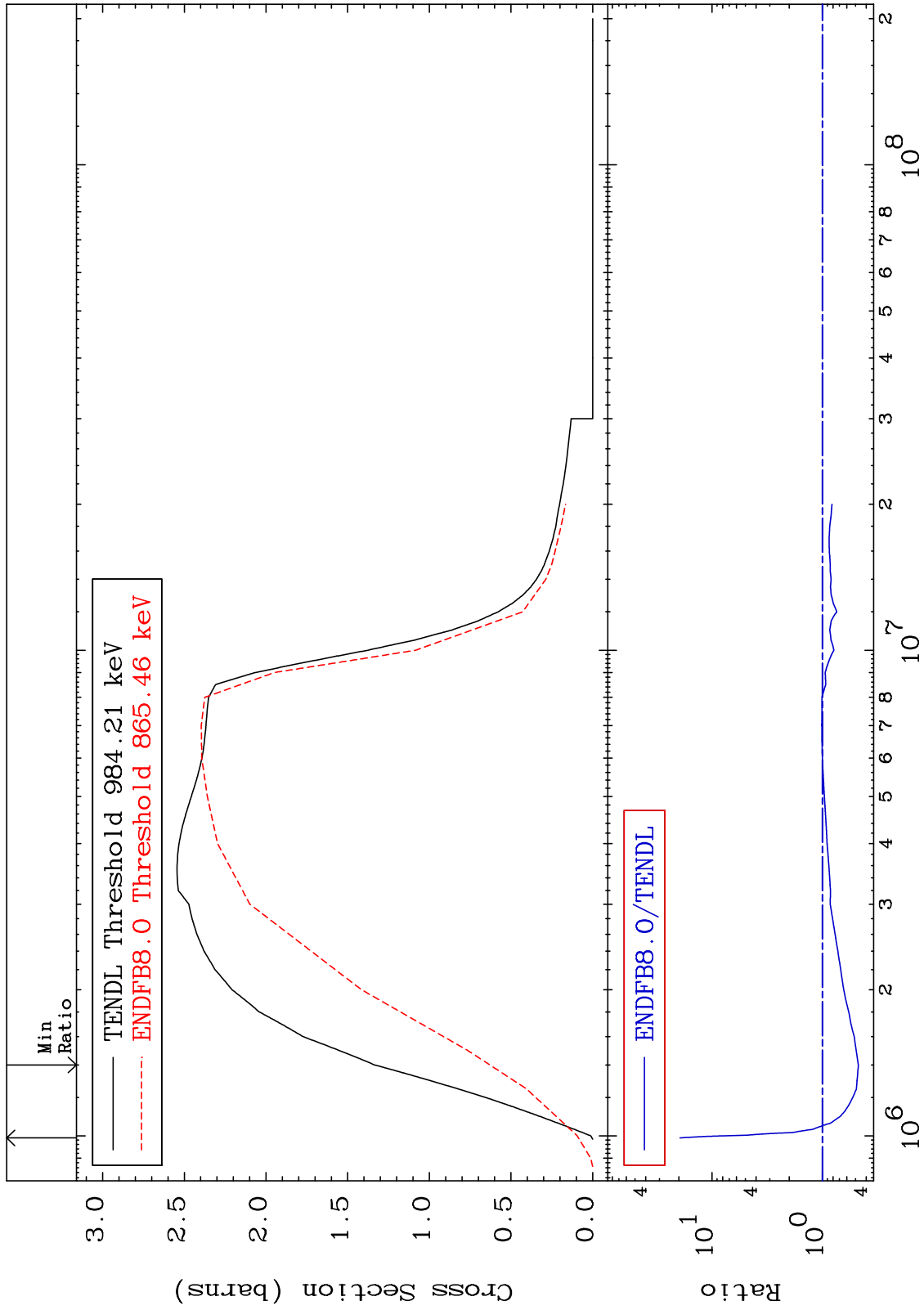
MAT 6525 MT= 72 (n,n') Level Cross Section 65-Tb-159
 -100.0 To 9999. %



MAT 6525

(n, n') Continuum
Cross Section

65-Tb-159
-52.84 To 1852. %



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Incident Energy (eV)

65-Tb-159

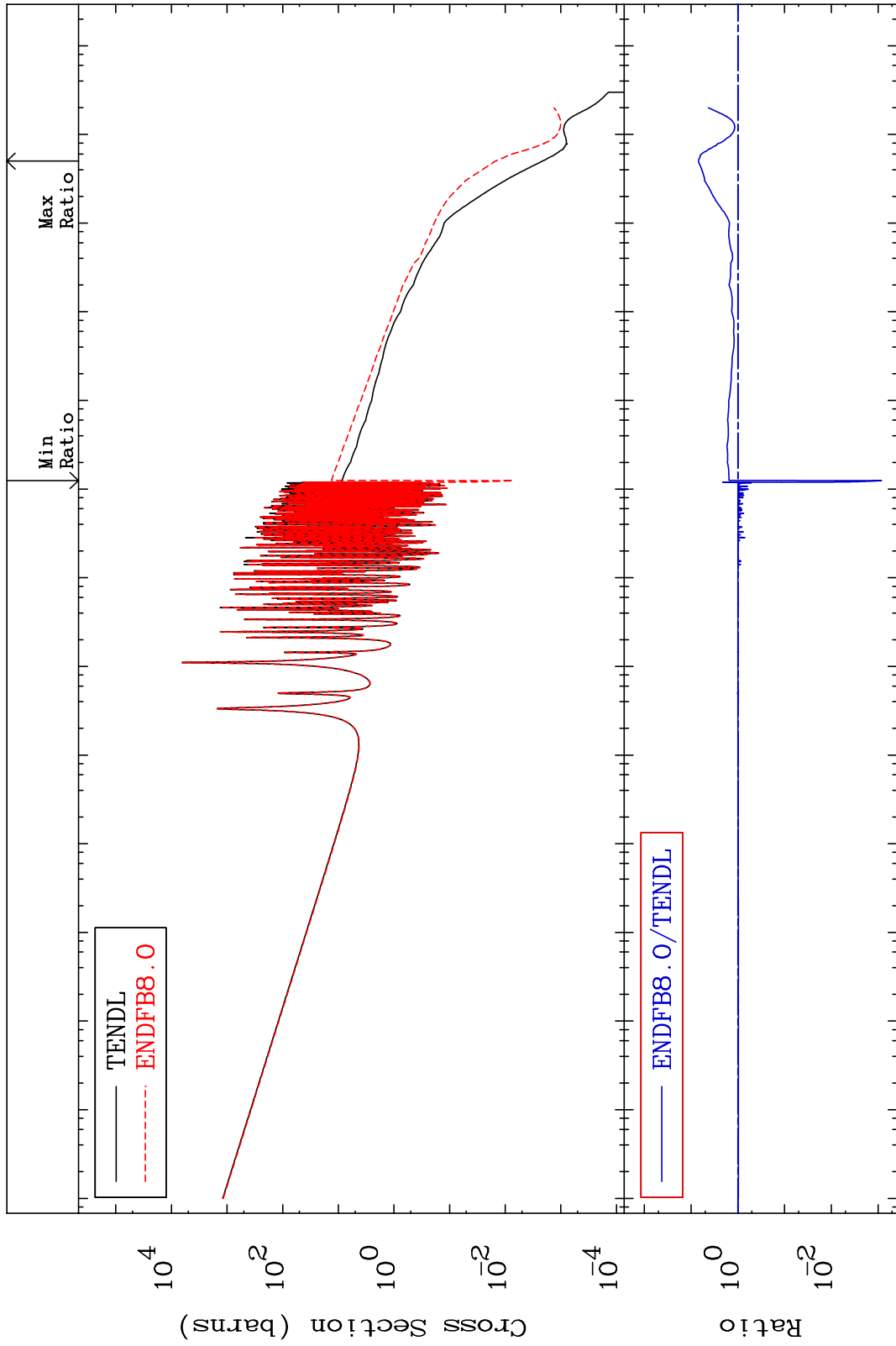
MAT 6525

(n, γ)

65-Tb-159

Cross Section

-99.92 To 599.6 %



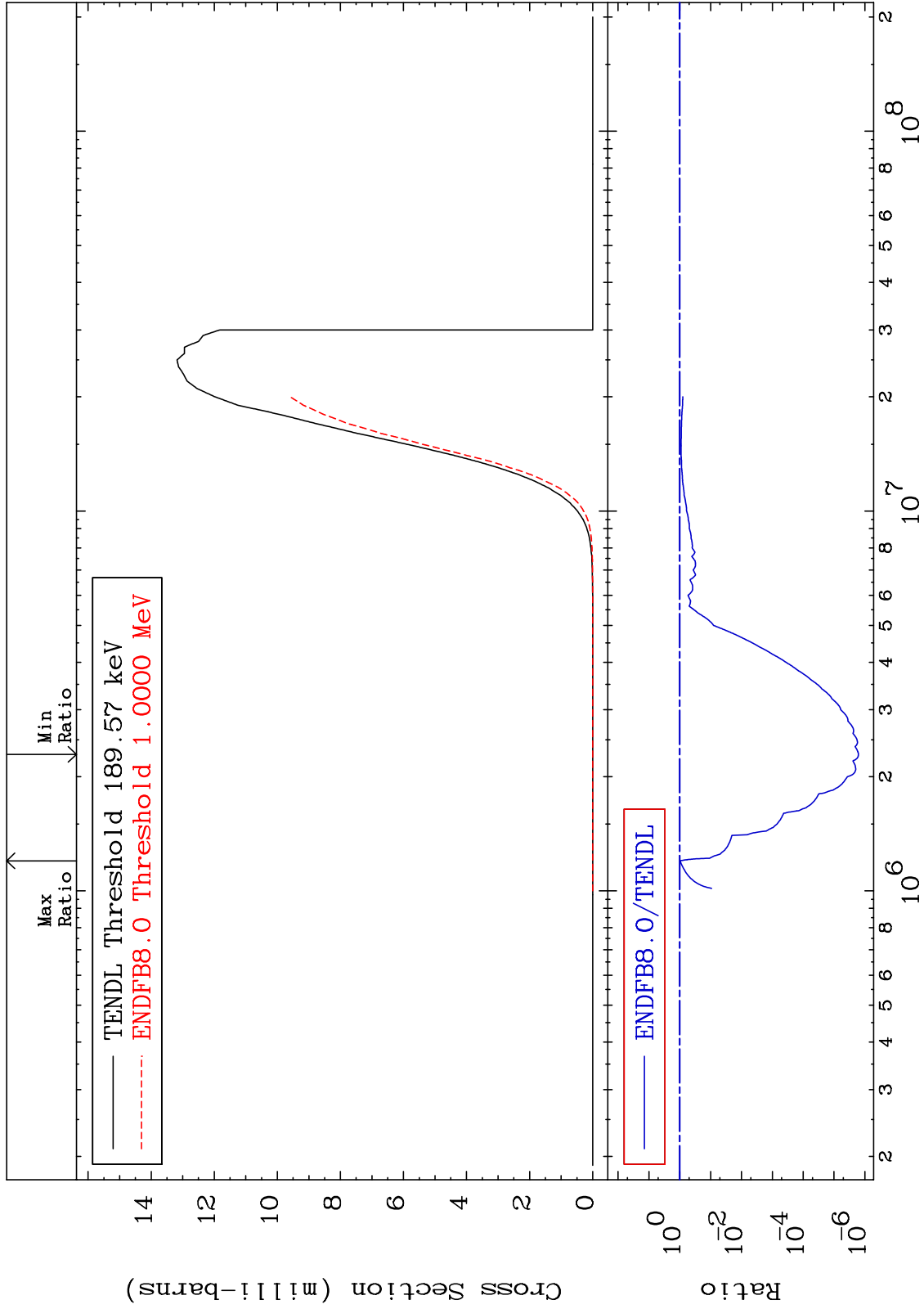
MAT 6525

(n,p)

65-Tb-159

Cross Section

-100.0 To -1.818%



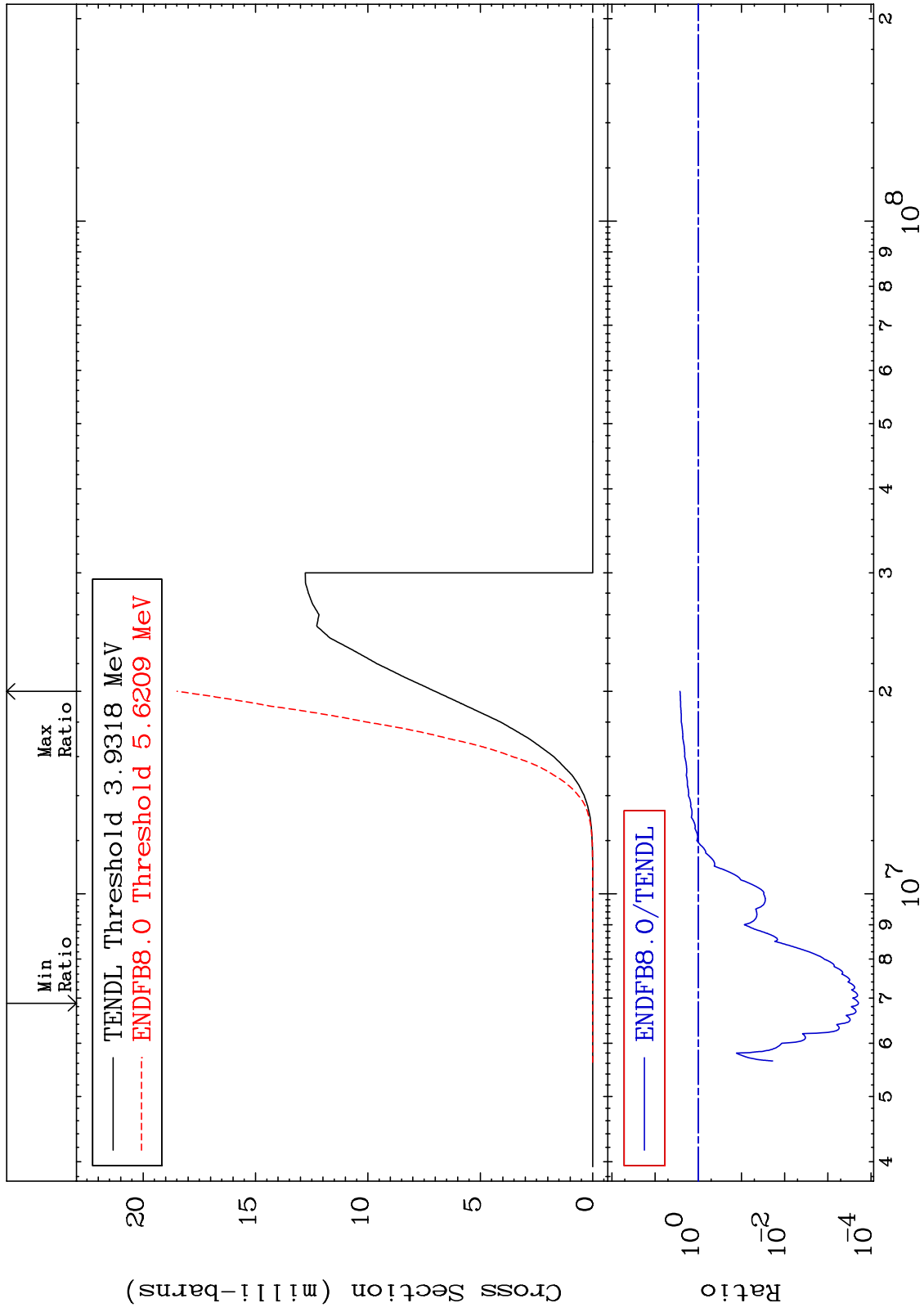
MAT 6525

(n, d)

65-Tb-159

Cross Section

-99.98 To 163.6 %



35

Incident Energy (eV)

65-Tb-159

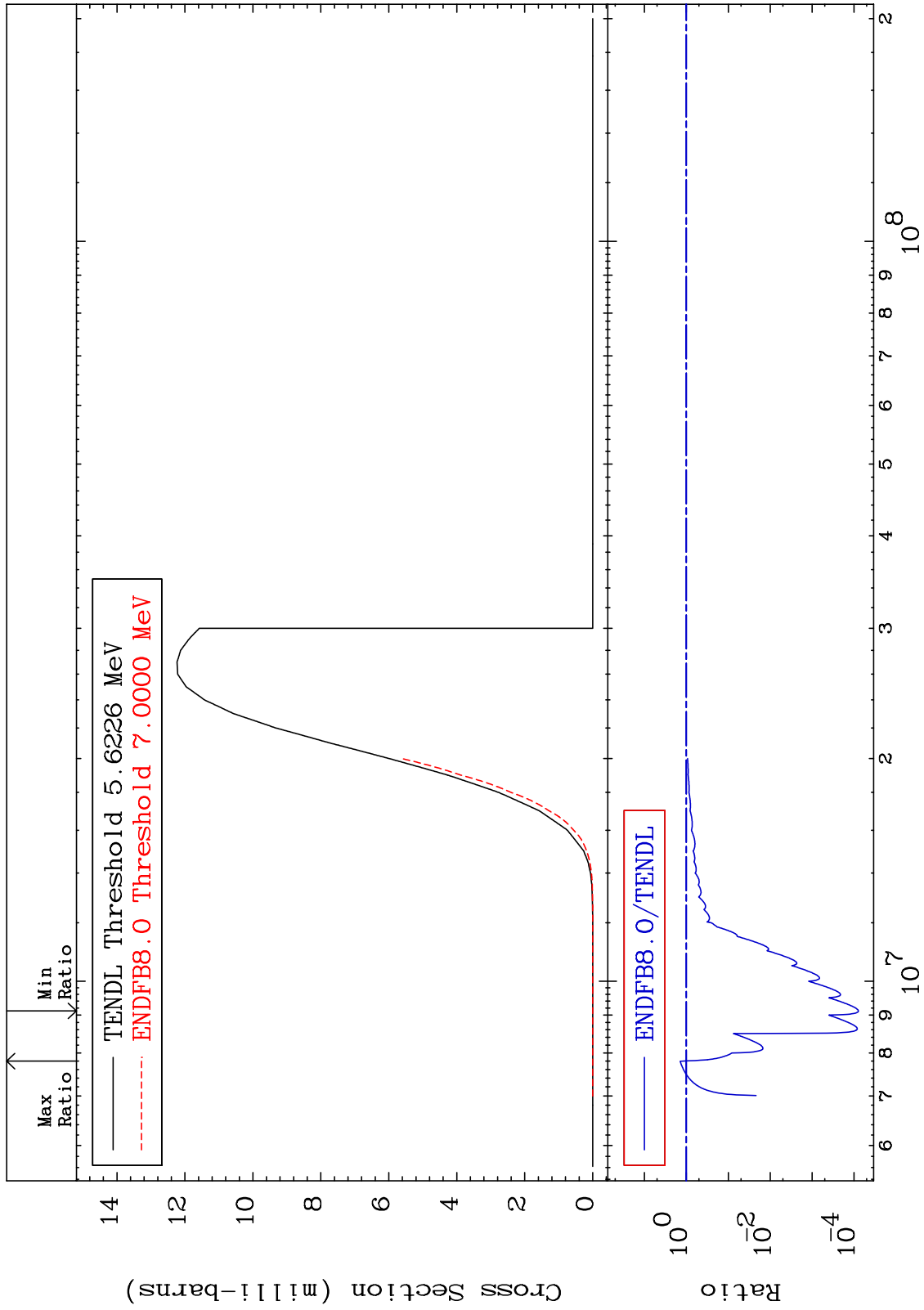
MAT 6525

(n, t)

65-Tb-159

Cross Section

-99.99 To 41.74 %



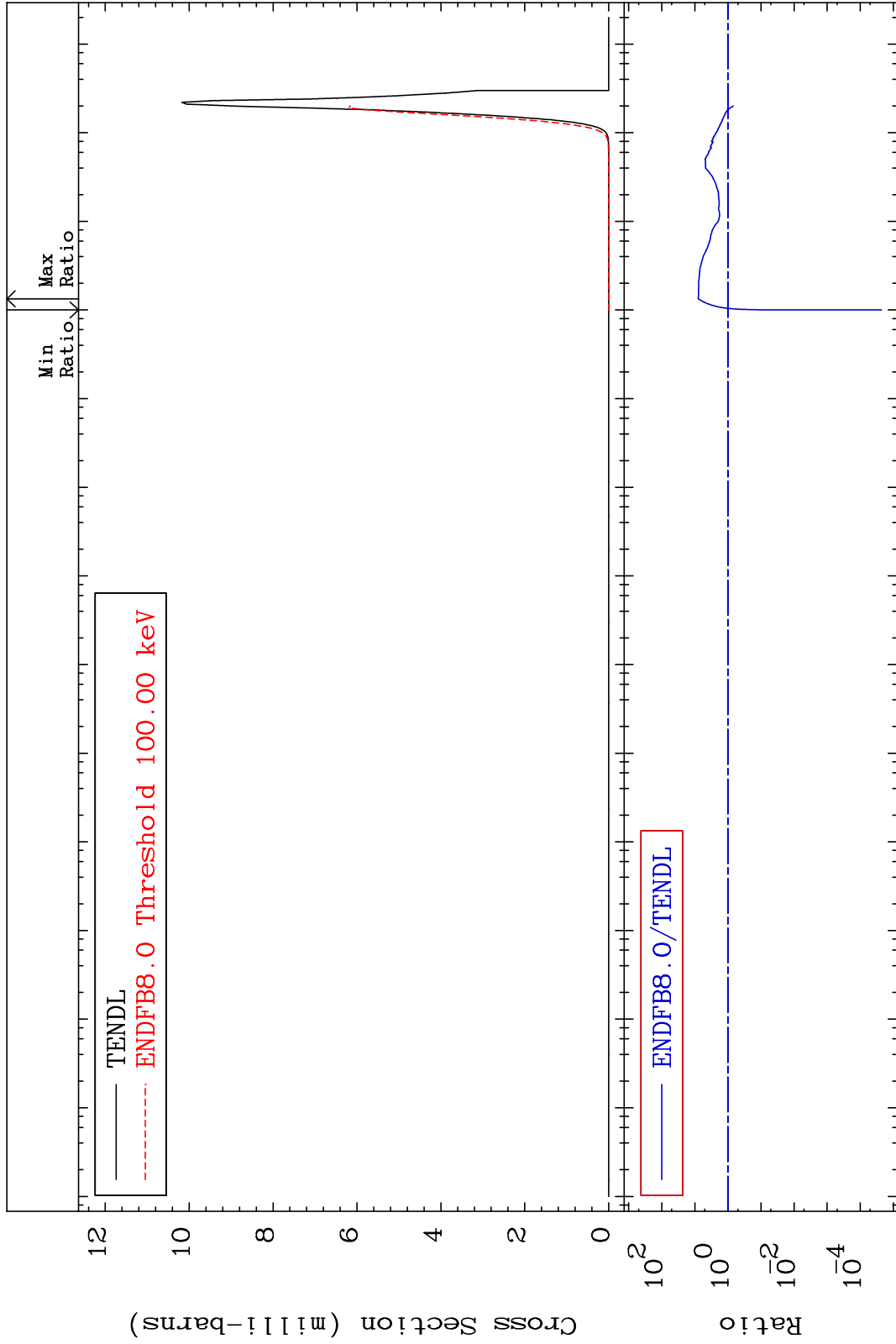
MAT 6525

(n, α)

65-Tb-159

Cross Section

-100.0 To 684.0 %



37

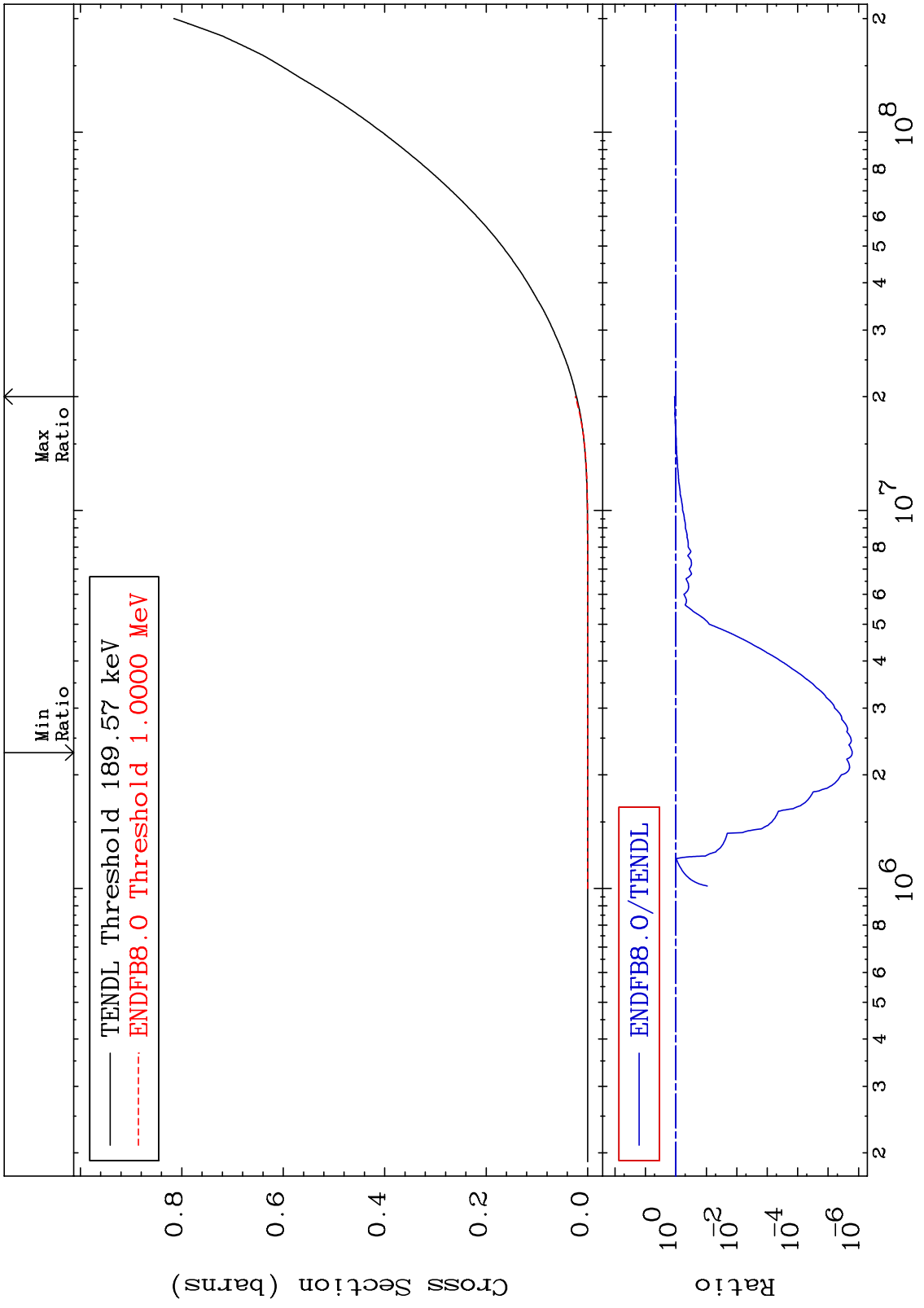
Incident Energy (eV)

65-Tb-159

MAT 6525

Hydrogen Production
Cross Section

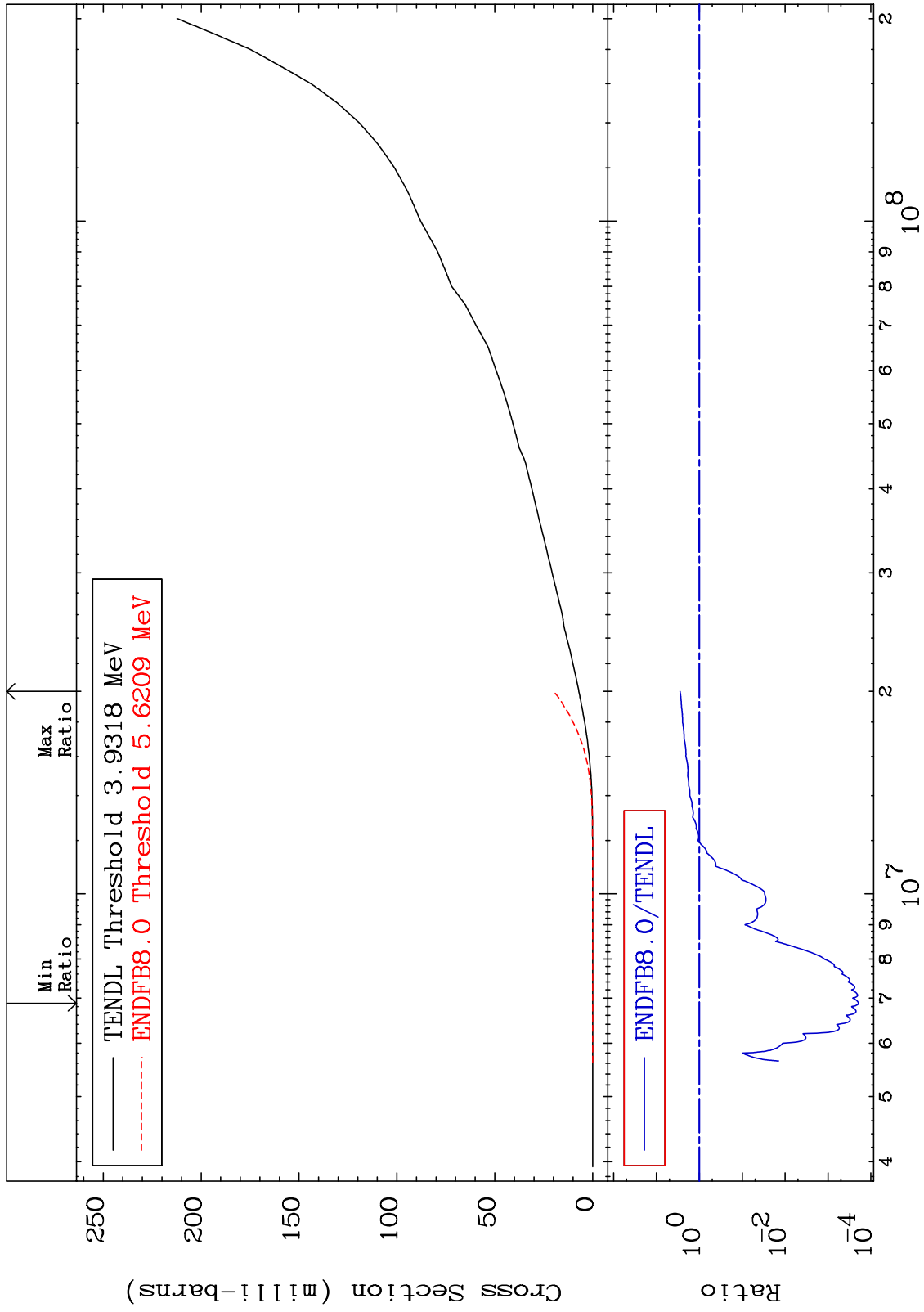
65-Tb-159
-100.0 To 10.54 %



MAT 6525

Deuterium Production
Cross Section

$^{65}\text{Tb-159}$
-99.98 To 182.7 %



39

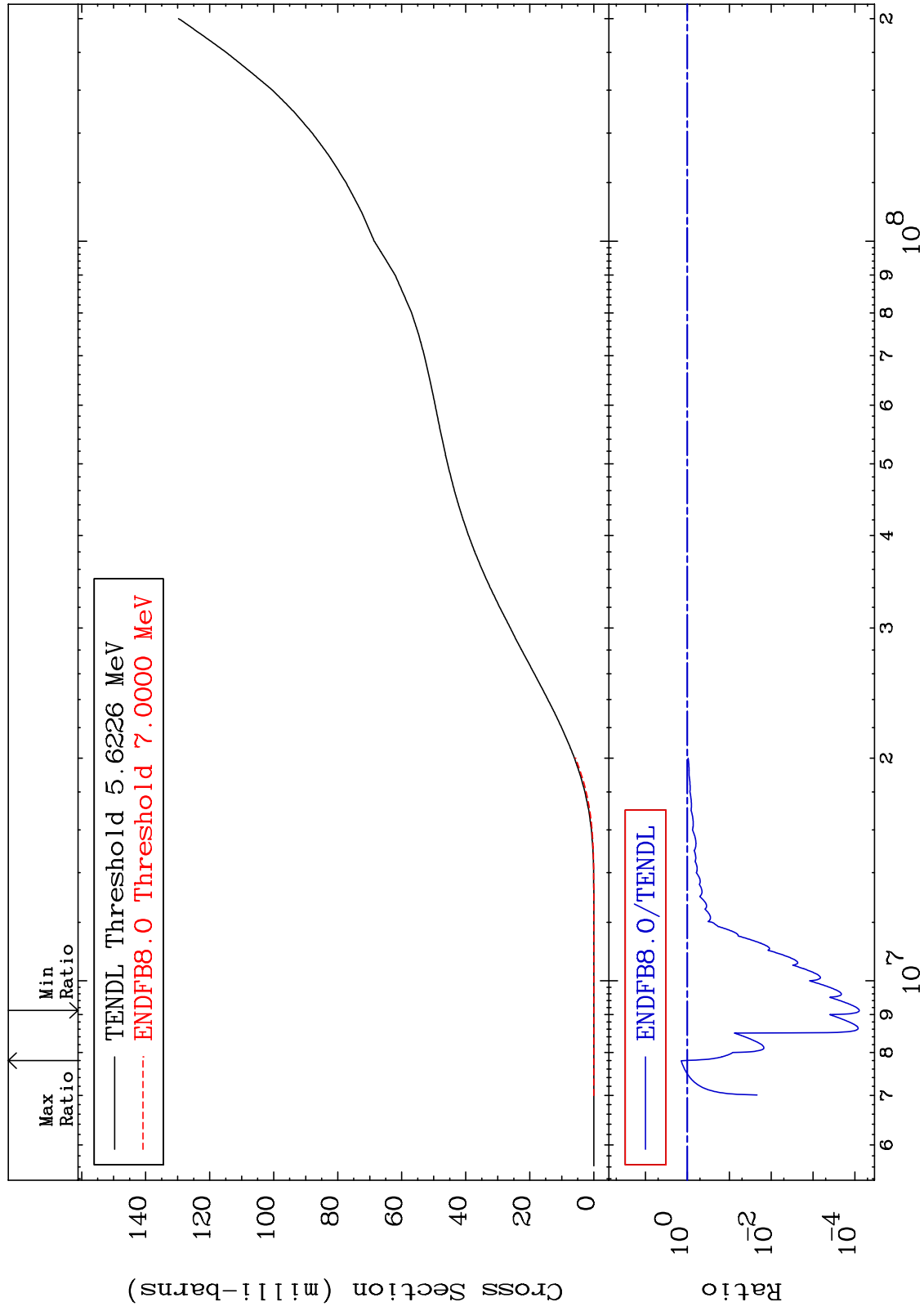
Incident Energy (eV)

$^{65}\text{Tb-159}$

MAT 6525

Tritium Production
Cross Section

65-Tb-159
-99.99 To 41.74 %



40

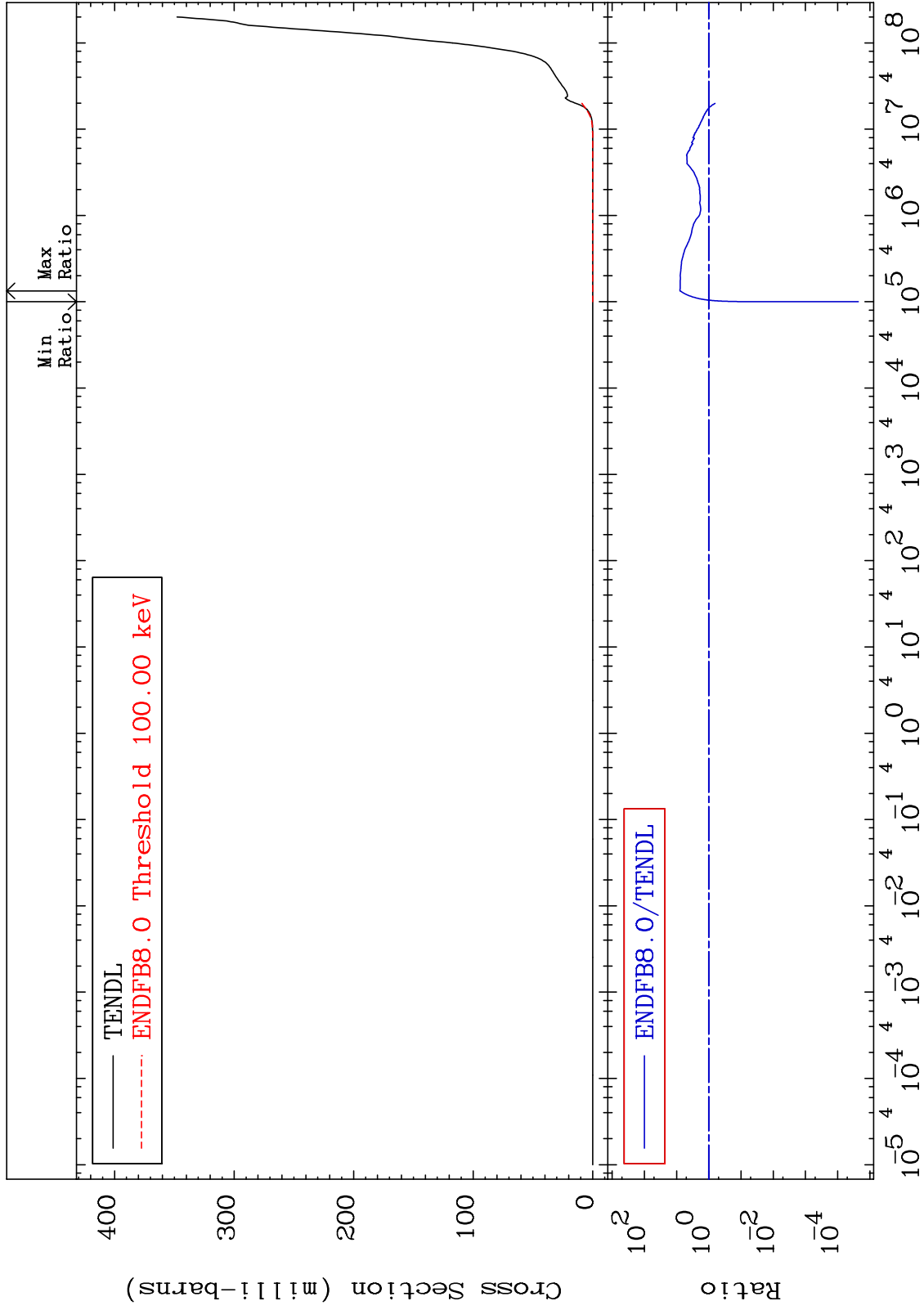
Incident Energy (eV)

65-Tb-159

MAT 6525

He-4 Production
Cross Section

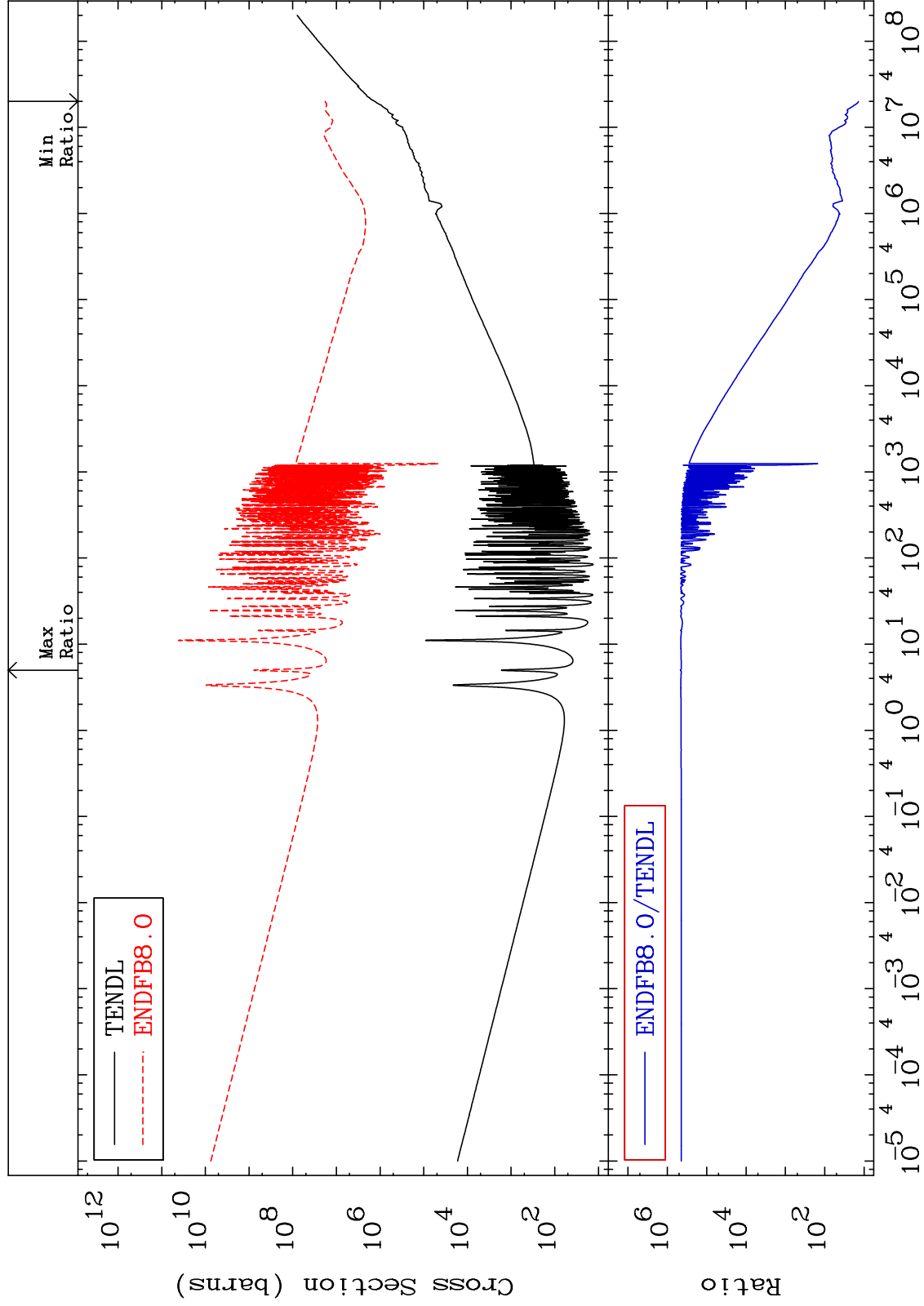
65-Tb-159
-100.0 To 684.0 %



MAT 6525

Kerma total (eV-barns)
Cross Section

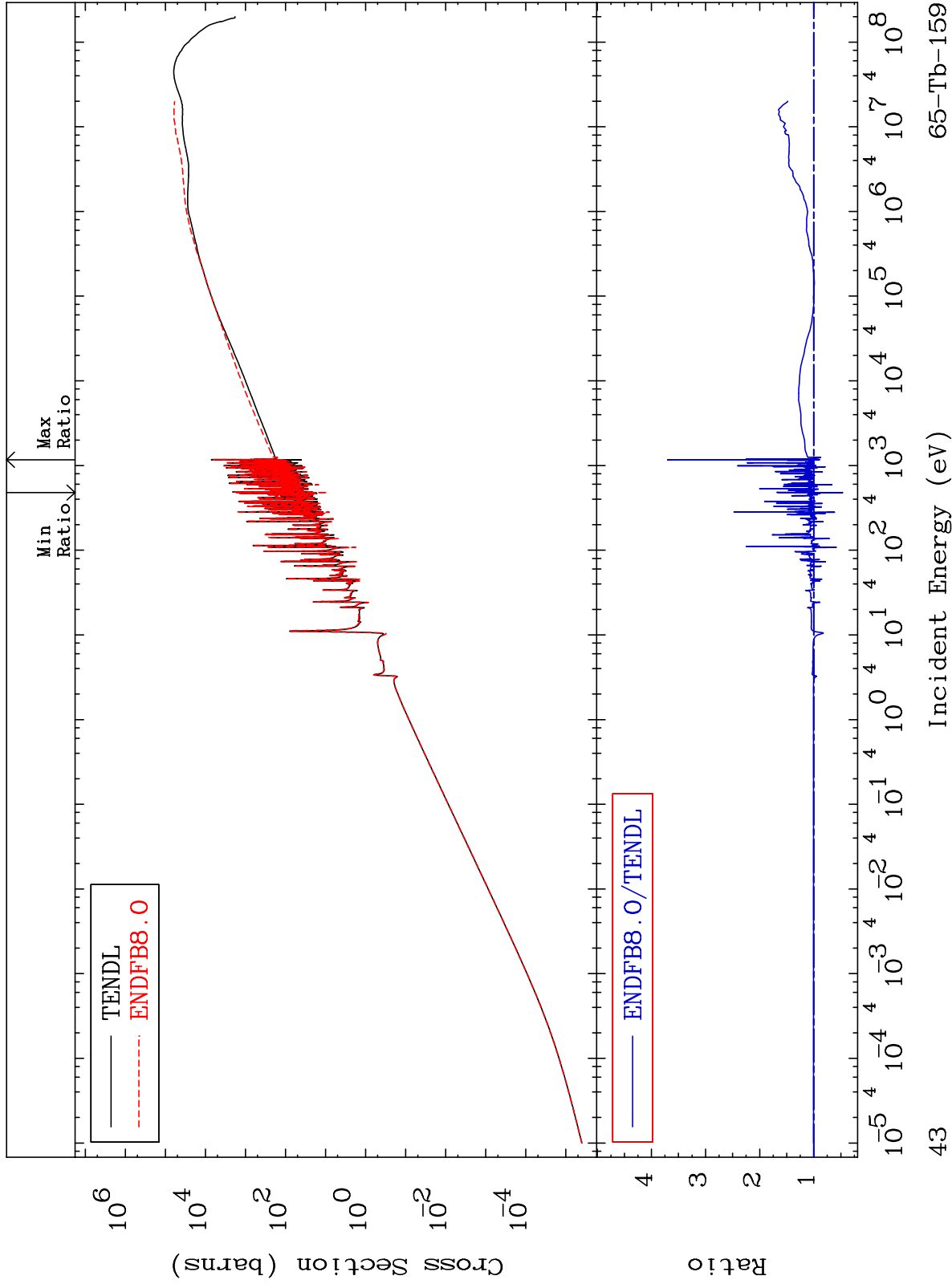
65-Tb-159
1284. To 9999. %



MAT 6525

Kerma elastic
Cross Section

65-Tb-159
-53.38 To 270.2 %



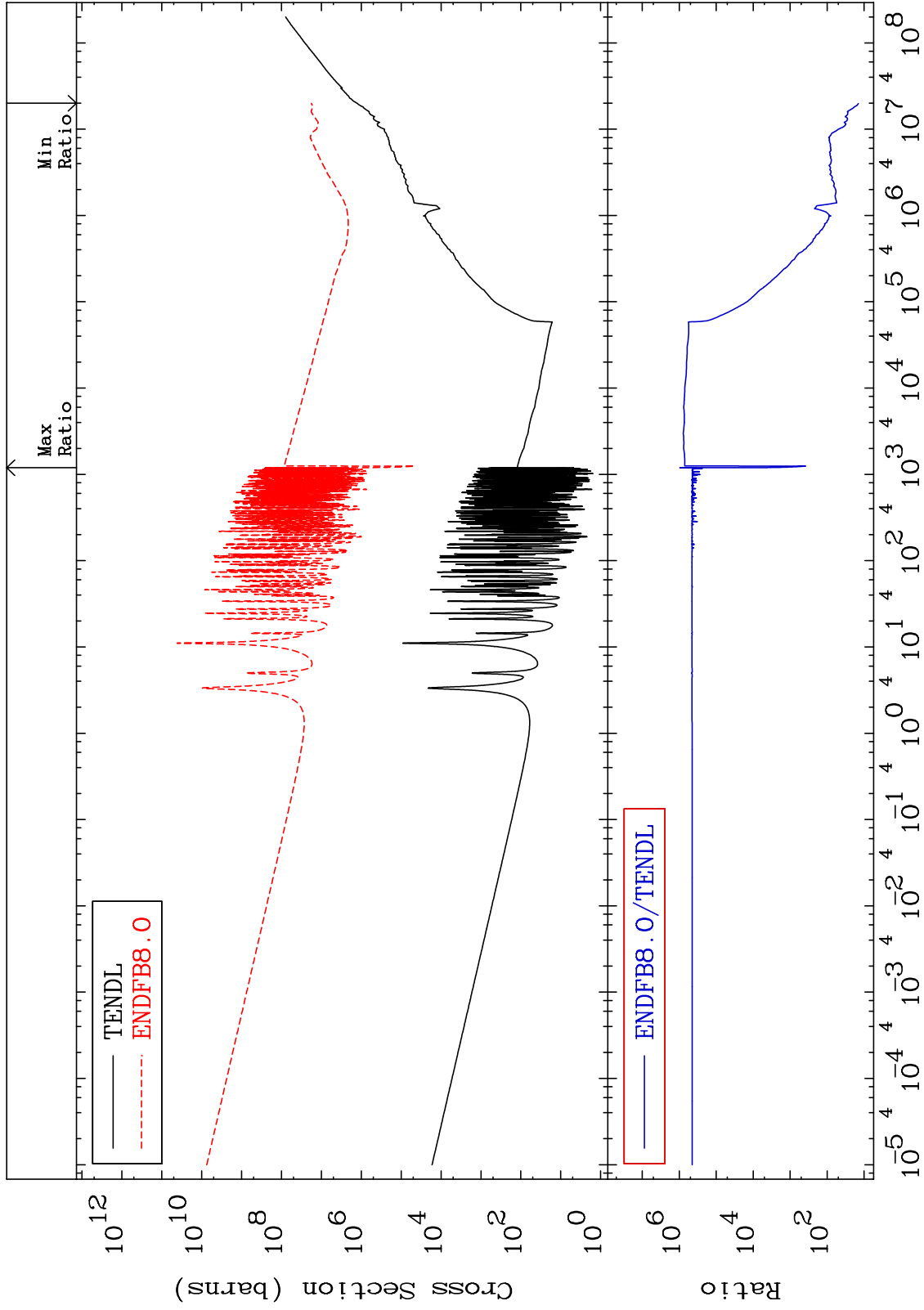
43

65-Tb-159

MAT 6525

Kerma non-elastic (all but mt2)
Cross Section

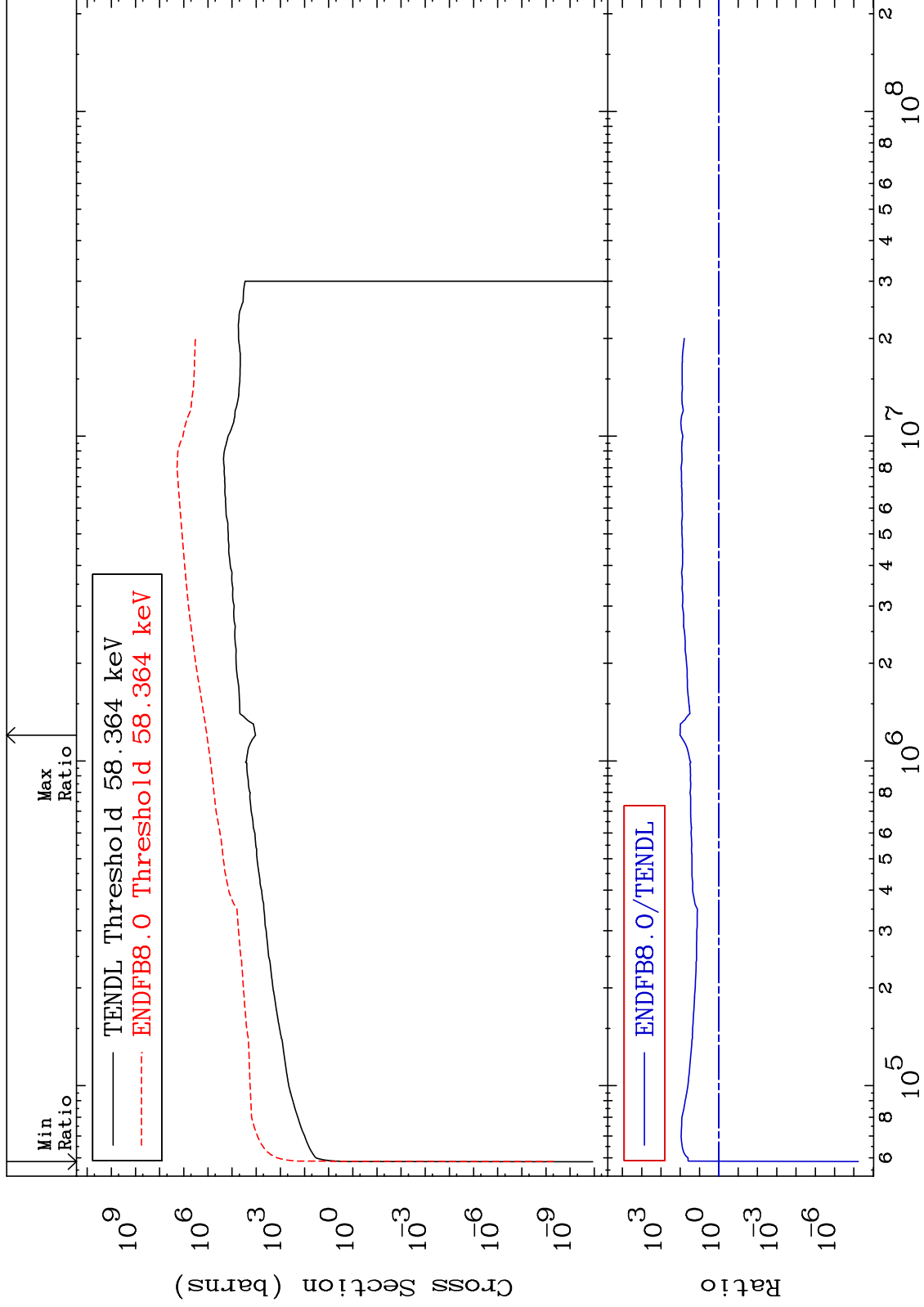
65-Tb-159
1323. To 9999. %



MAT 6525

Kerma inelastic (mt51-91)
Cross Section

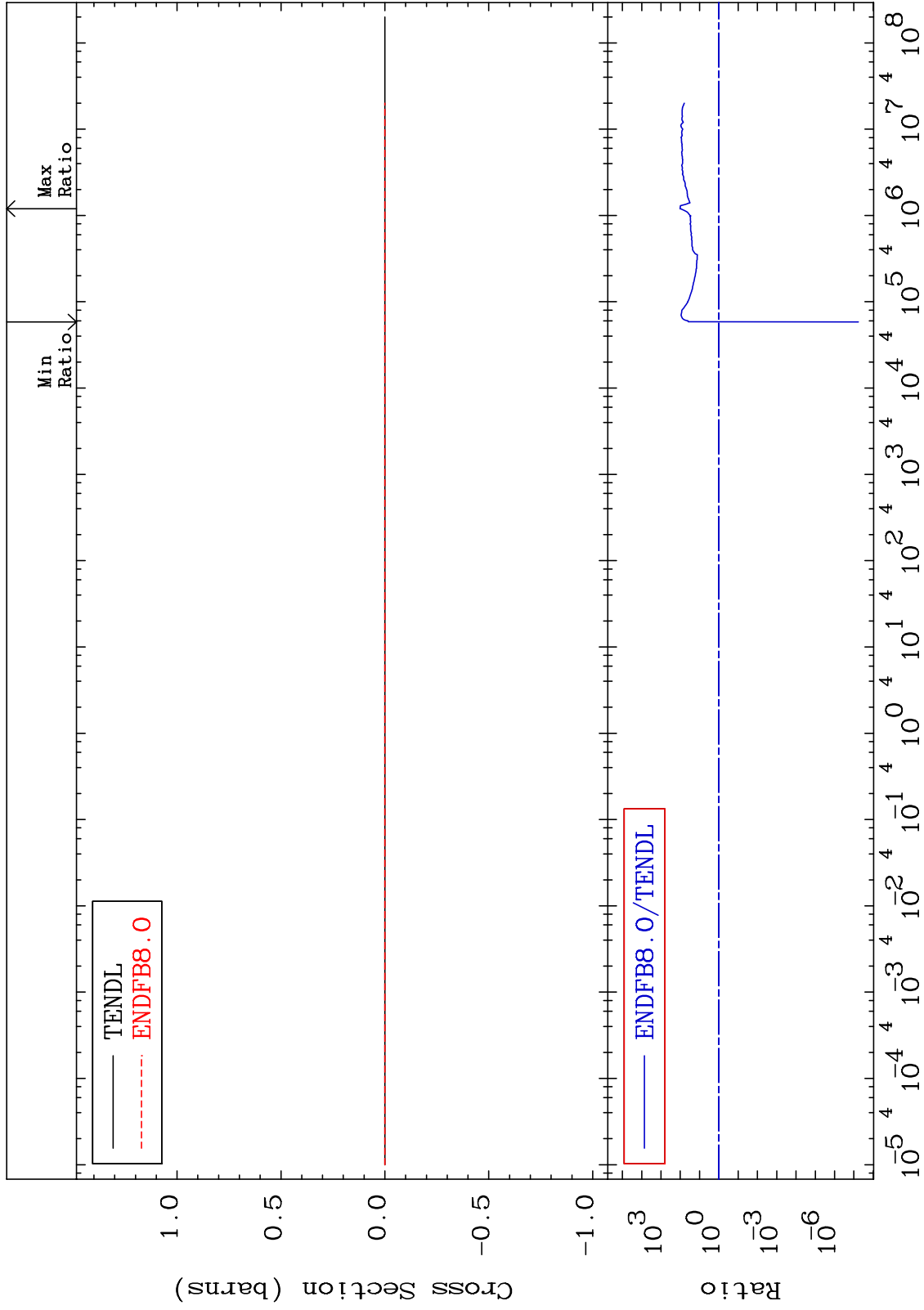
65-Tb-159
-100.0 To 9999. %



MAT 6525

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

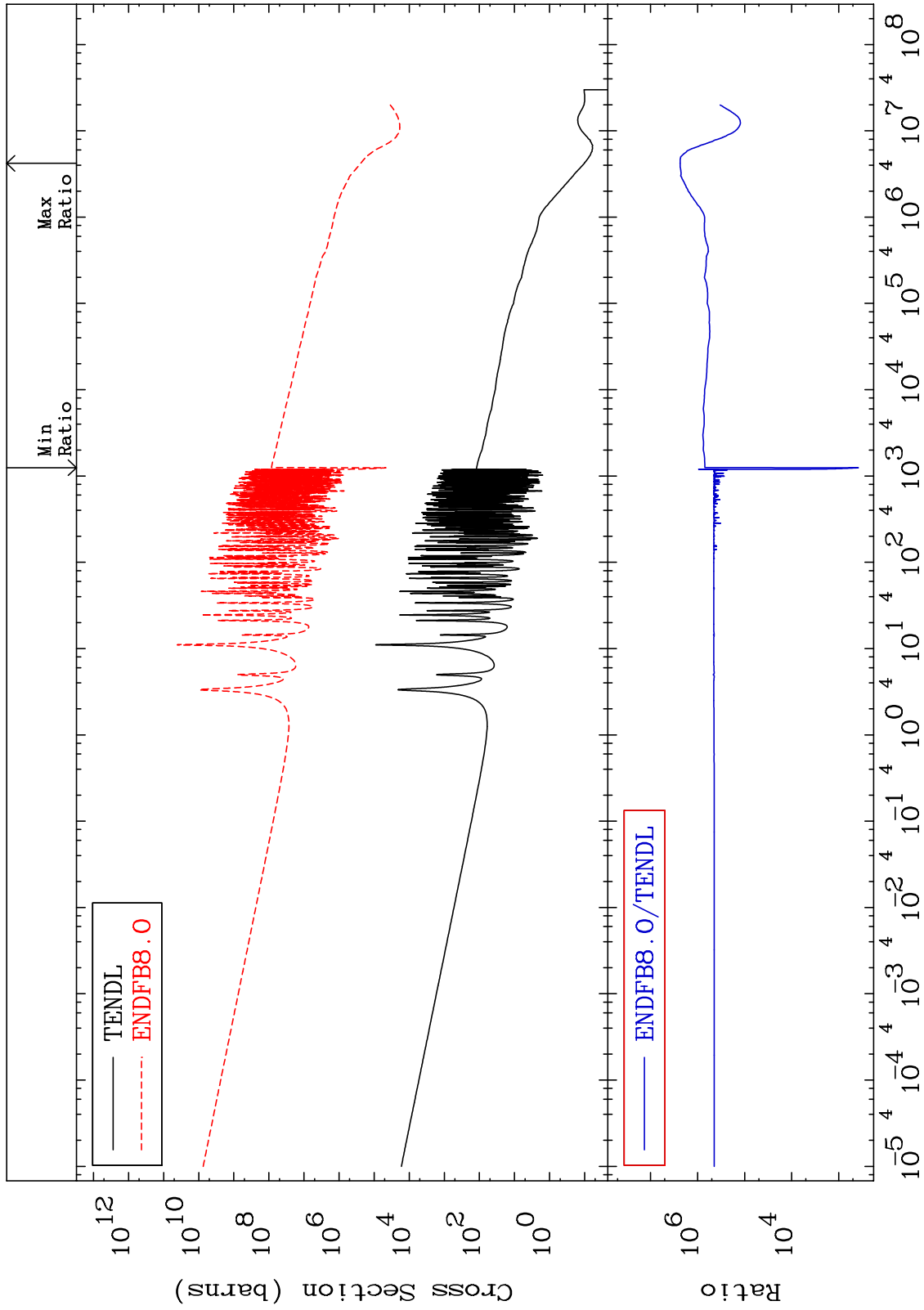
65-Tb-159
-100.0 To 9999. %



MAT 6525

Kerma capture (mt102)
Cross Section

65-Tb-159
9999. To 9999. %



47

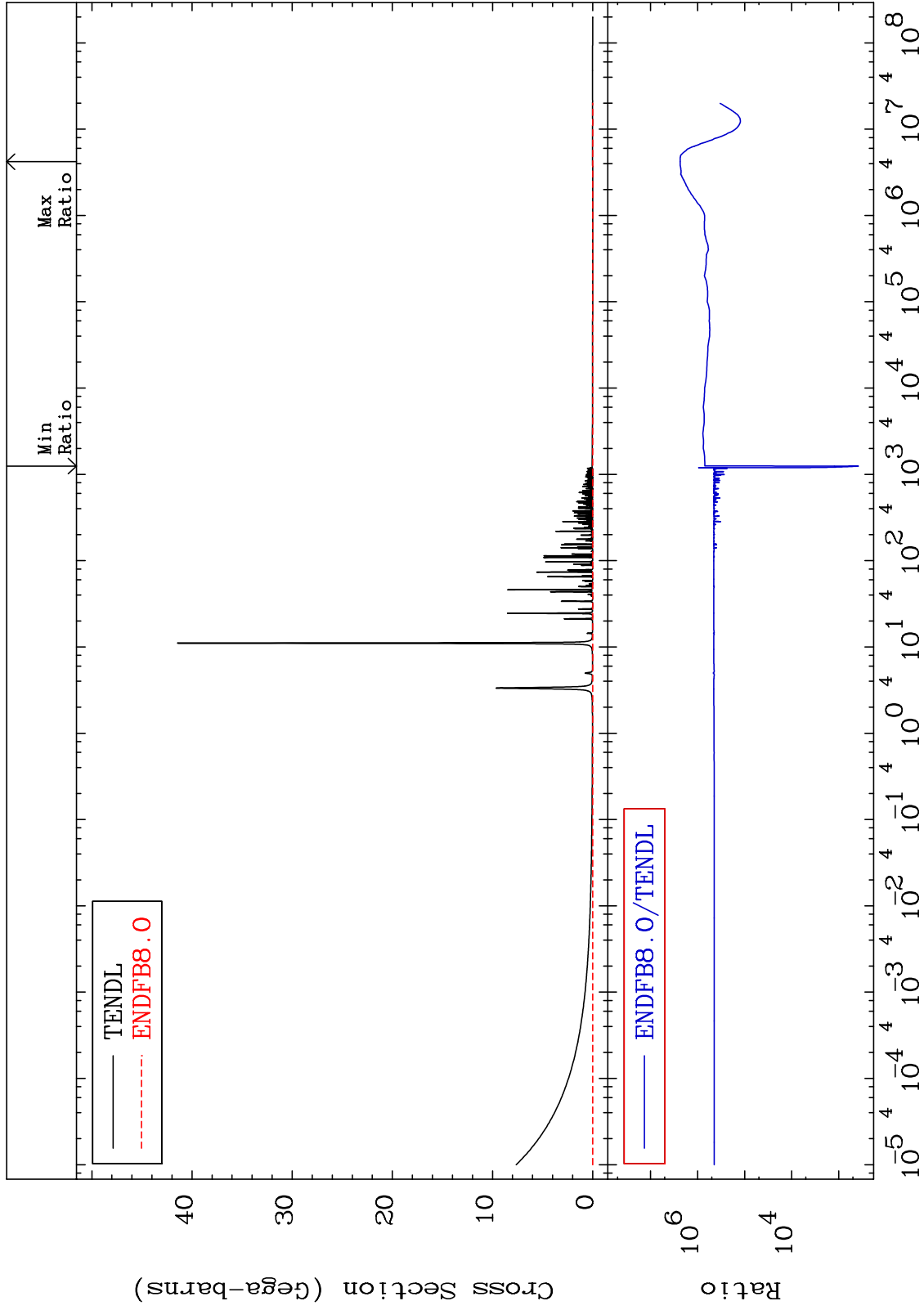
Incident Energy (eV)

65-Tb-159

MAT 6525

Total photon (eV-barns)
Cross Section

65-Tb-159
9999. To 9999. %



48

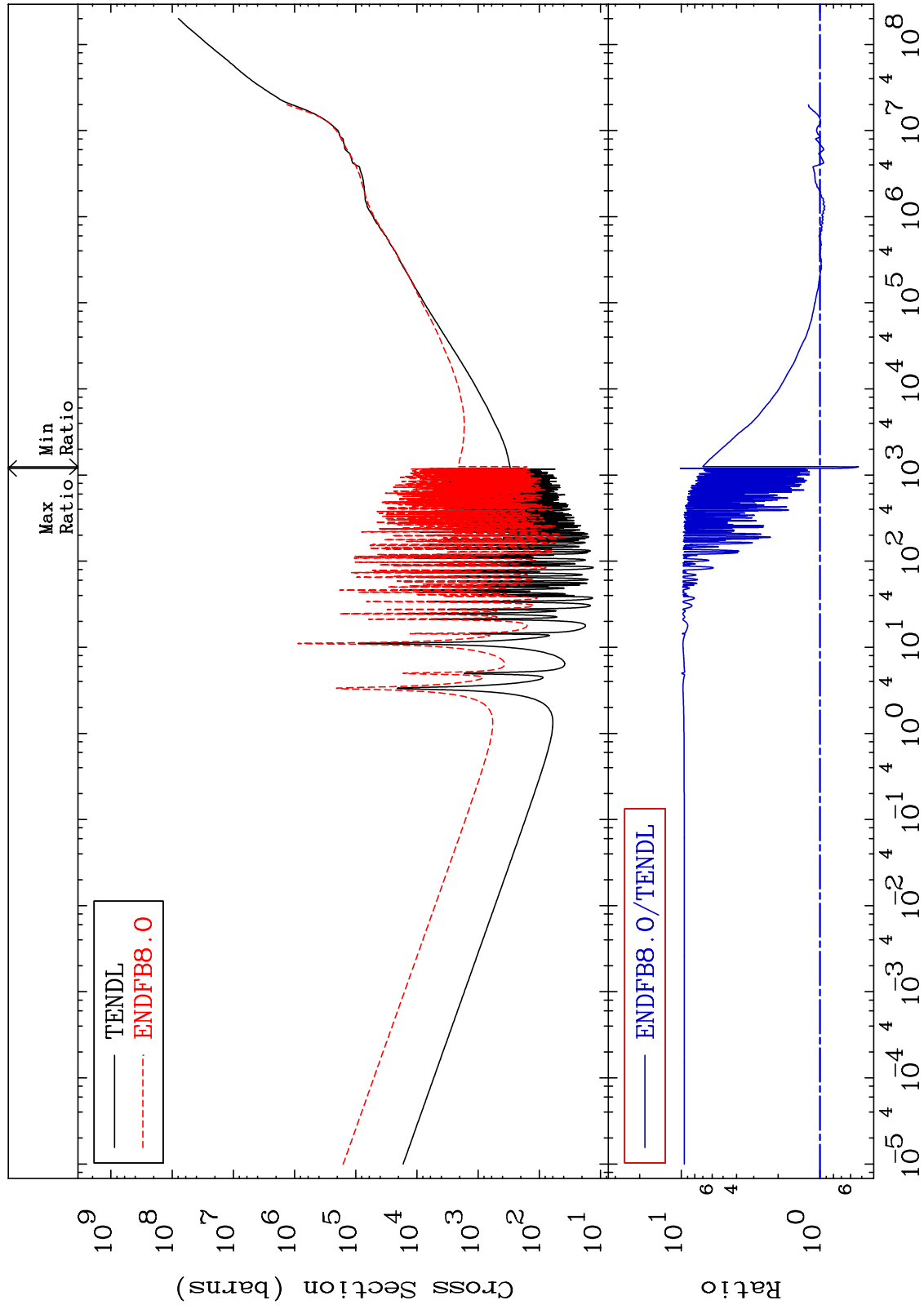
Incident Energy (eV)

65-Tb-159

MAT 6525

Total kinematic kerma (high limit)
Cross Section

65-Tb-159
-47.35 To 914.4 %



49

Incident Energy (eV)

65-Tb-159

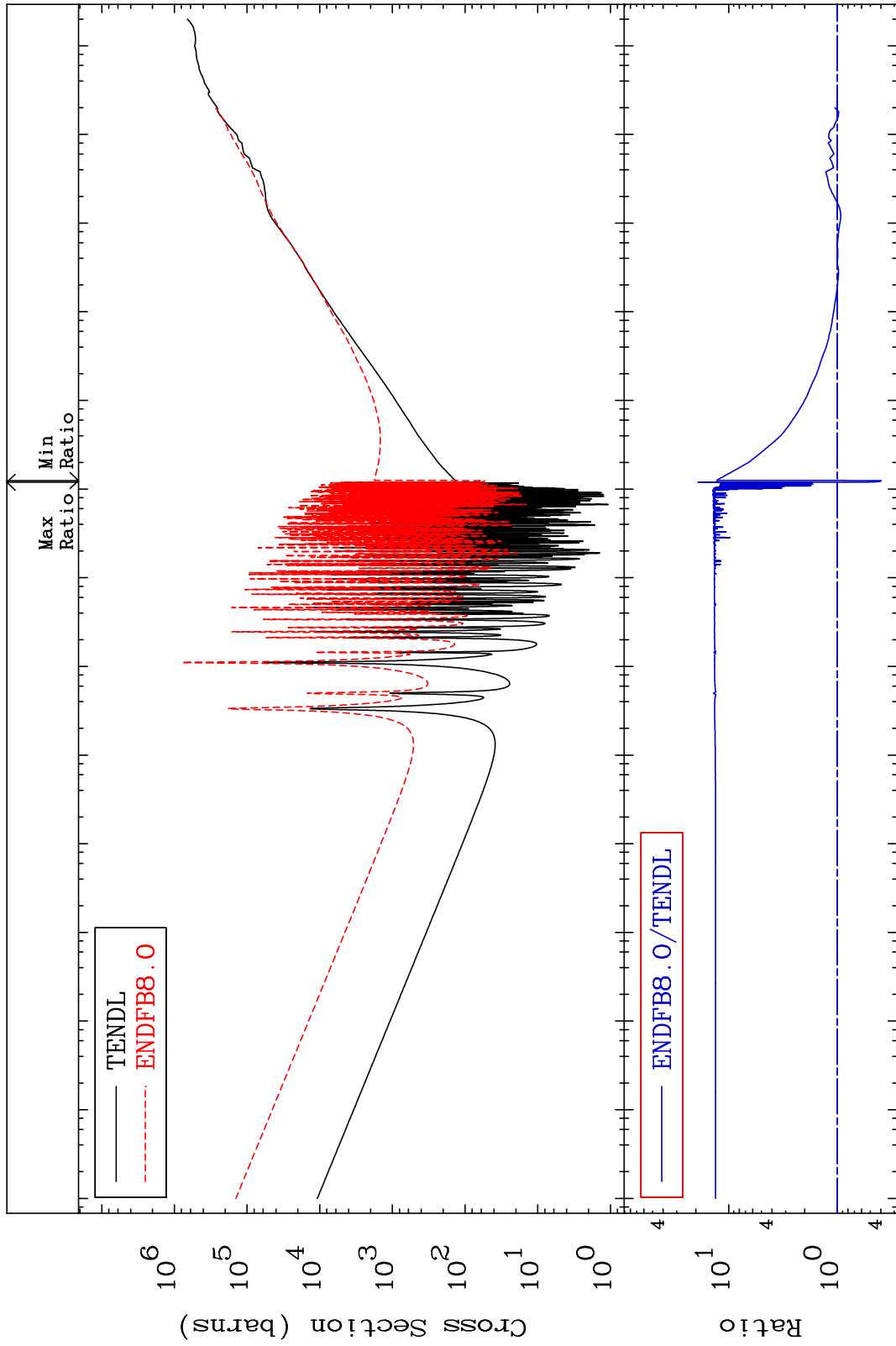
MAT 6525

Dpa total (eV-barns)

65-Tb-159

-60.66 To 1798. %

Cross Section

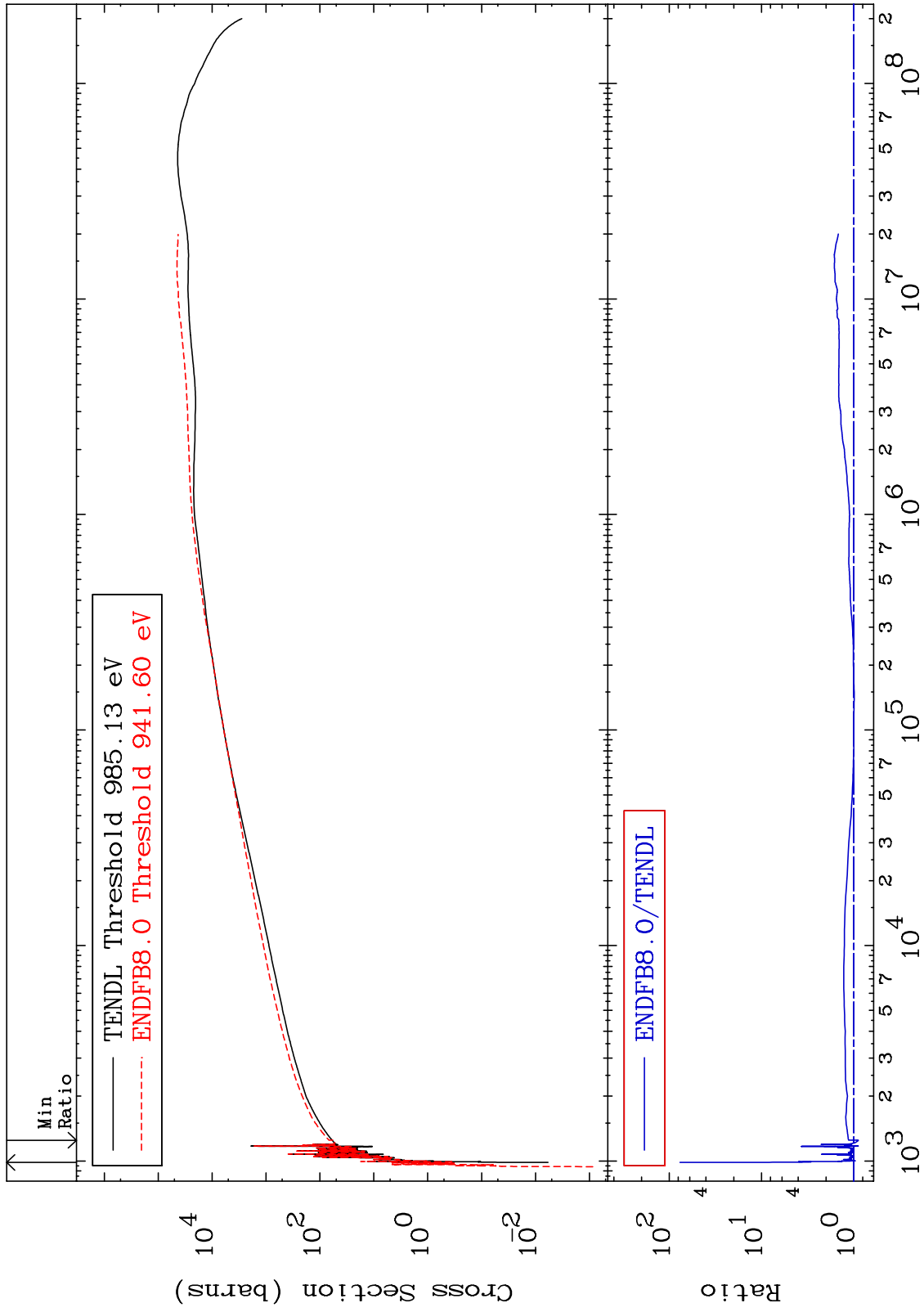


65-Tb-159

MAT 6525

Dpa elastic (mt2)
Cross Section

65-Tb-159
-11.02 To 7554. %



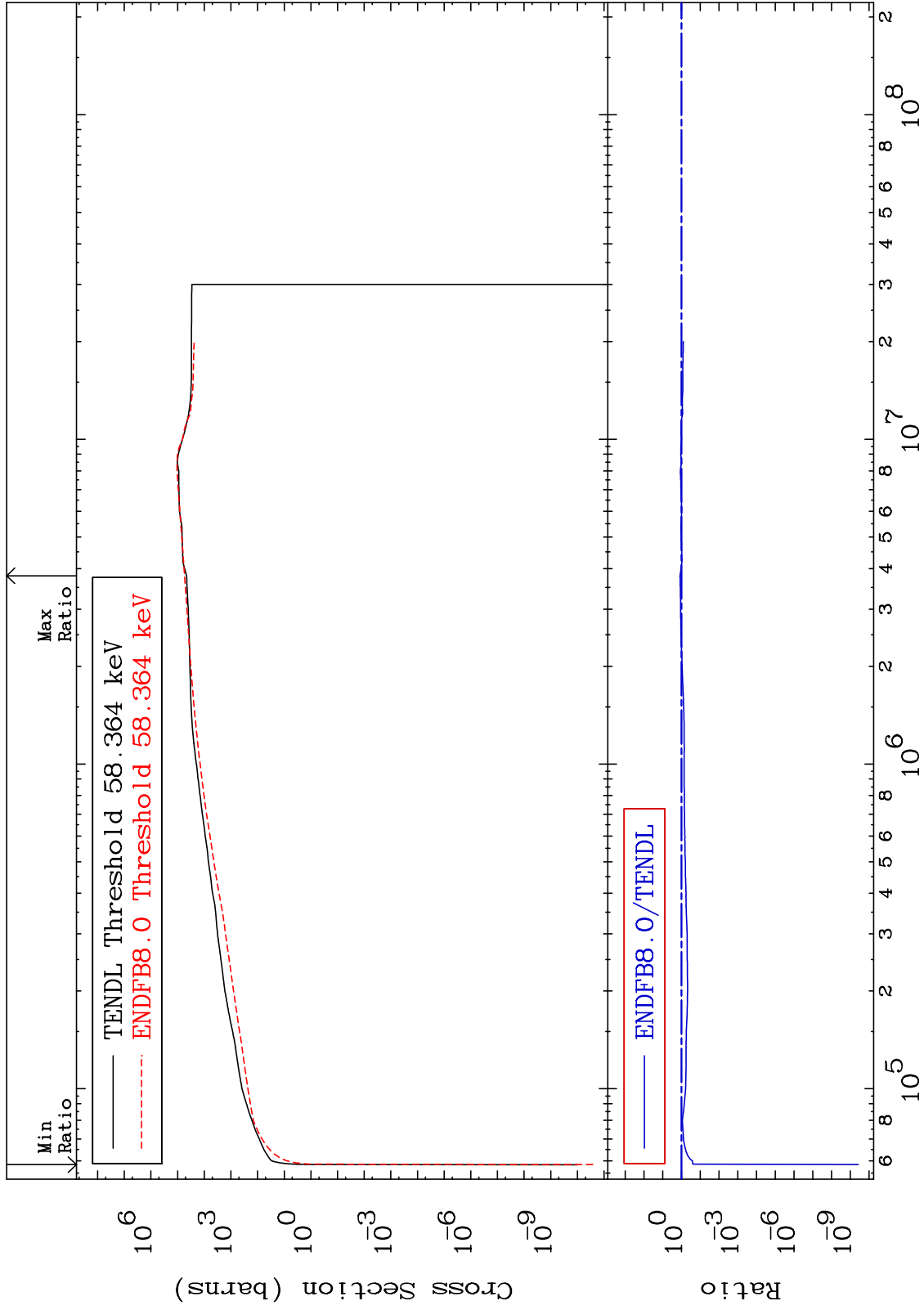
51

65-Tb-159

MAT 6525

Dpa inelastic (mt51-91)
Cross Section

65-Tb-159
-100.0 To 19.63 %



MAT 6525

Dpa disappearance (mt102 -120)
Cross Section

65-Tb-159
-98.80 To 9999. %

